

# Object Detection With Deep Learning: A Review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Automated Particle Picking in Cryo-Electron Micrographs using Deep Regression. , 2018, , .		0
2	Coarse-to-Fine Supervised Descent Method for Face Alignment. Lecture Notes in Computer Science, 2019, , 175-186.	1.0	0
3	Enhanced Detection and Recognition of Road Markings Based on Adaptive Region of Interest and Deep Learning. IEEE Access, 2019, 7, 109817-109832.	2.6	31
4	Mobile Communication Base Station Antenna Measurement Using Unmanned Aerial Vehicle. IEEE Access, 2019, 7, 119892-119903.	2.6	5
5	Improving Object Detection by Deep Networks with Class-Related Features. Lecture Notes in Computer Science, 2019, , 65-76.	1.0	0
6	Deep Learning-Based Real-Time Multiple-Object Detection and Tracking from Aerial Imagery via a Flying Robot with GPU-Based Embedded Devices. Sensors, 2019, 19, 3371.	2.1	120
7	Computer Vision Approaches to Waste Containers Detection. , 2019, , .		1
8	Automatic spondylolisthesis grading from MRIs across modalities using faster adversarial recognition network. Medical Image Analysis, 2019, 58, 101533.	7.0	23
9	A Survey on Deep Learning in Image Polarity Detection: Balancing Generalization Performances and Computational Costs. Electronics (Switzerland), 2019, 8, 783.	1.8	25
10	Bidirectional Long Short-Term Memory Neural Networks for Linear Sum Assignment Problems. Applied Sciences (Switzerland), 2019, 9, 3470.	1.3	10
11	Airborne Visual Detection and Tracking of Cooperative UAVs Exploiting Deep Learning. Sensors, 2019, 19, 4332.	2.1	37
12	Bio-Inspired Foveated Technique for Augmented-Range Vehicle Detection Using Deep Neural Networks. , 2019, , .		0
13	Machine learning applications in detecting sand boils from images. Array, 2019, 3-4, 100012.	2.5	8
14	Multi-Scale Geospatial Object Detection Based on Shallow-Deep Feature Extraction. Remote Sensing, 2019, 11, 2525.	1.8	19
15	Deep Learning on Multi Sensor Data for Counter UAV Applicationsâ€™A Systematic Review. Sensors, 2019, 19, 4837.	2.1	115
16	Object Detection on FPGAs and GPUs by Using Accelerated Deep Learning. , 2019, , .		3
17	Segmentation and Classification of Cervical Cells Using Deep Learning. IEEE Access, 2019, 7, 116925-116941.	2.6	89
18	Bin-Picking for Planar Objects Based on a Deep Learning Network: A Case Study of USB Packs. Sensors, 2019, 19, 3602.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Interrupted-Sampling Repeater Jamming Suppression Based on Stacked Bidirectional Gated Recurrent Unit Network and Infinite Training. IEEE Access, 2019, 7, 107428-107437.	2.6	27
20	Review of different techniques for object detection using deep learning. , 2019, , .		16
21	A Comparative Study of Object Recognition Techniques. , 2019, , .		7
22	A Deep One-Class Neural Network for Anomalous Event Detection in Complex Scenes. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-14.	7.2	67
23	People Detection and Finding Attractive Areas by the use of Movement Detection Analysis and Deep Learning Approach. Procedia Computer Science, 2019, 156, 327-337.	1.2	29
24	Deep Learning for Detecting Building Defects Using Convolutional Neural Networks. Sensors, 2019, 19, 3556.	2.1	133
25	Broken Corn Detection Based on an Adjusted YOLO With Focal Loss. IEEE Access, 2019, 7, 68281-68289.	2.6	45
26	Waste Classification System Using Image Processing and Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 350-361.	1.0	41
27	Image Augmentation Techniques for Road Sign Detection in Automotive Vision System. Advances in Intelligent Systems and Computing, 2019, , 229-242.	0.5	0
28	Deep Learning for Assistive Computer Vision. Lecture Notes in Computer Science, 2019, , 3-14.	1.0	17
29	Convolutional Neural Network with Dilated Anchors for Object Detection in Very High Resolution Satellite Images. , 2019, , .		5
30	Person re-identification through face detection from videos using Deep Learning. , 2019, , .		3
31	A two-dimensional material recognition image algorithm based on deep learning. , 2019, , .		3
32	Object Detection in Monocular Infrared Images Using Classification “Regression Deep Learning Architectures. , 2019, , .		1
33	Length Phenotyping With Interest Point Detection. , 2019, , .		6
34	Joint Mask R-CNN and Least Square Method for Antenna Parameters Measurement. , 2019, , .		0
35	Smoke 100k: A Database for Smoke Detection. , 2019, , .		3
36	A Scalable Data Augmentation and Training Pipeline for Logo Detection. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Deep Learning-Based Object Detection for Digital Inspection in the Mining Industry. , 2019, , .		7
38	On the Performance of Extended Real-Time Object Detection and Attribute Estimation within Urban Scene Understanding. , 2019, , .		0
39	Target Localization in Synthetic Aperture Sonar Imagery using Convolutional Neural Networks. , 2019, , .		9
40	A Review of Deep Learning Approaches for Image Analysis. , 2019, , .		6
41	Deep Active Imitation Learning in FIFA Free-Kicks Player Platforms Based on Raw Image and Object Detection State Representations. , 2019, , .		0
42	Object Detection under Constrained Hardware Scenarios: A Comparative Study of Reduced Convolutional Network Architectures. , 2019, , .		0
43	Towards Perspective-Free Pavement Distress Detection via Deep Learning. , 2019, , .		3
44	Occlusion Problem-Oriented Adversarial Faster-RCNN Scheme. IEEE Access, 2019, 7, 170362-170373.	2.6	12
45	Automated Object Tracking for Animal Behaviour Studies. , 2019, , .		4
46	Real-time Bangladeshi Currency Detection System for Visually Impaired Person. , 2019, , .		3
47	Region-based Convolutional Neural Network as Object Detection in Images. , 2019, , .		10
48	Solar Filament Detection using Mask R-CNN. , 2019, , .		2
49	Facial Expression Based Emotion Recognition Employing YOLOv3 Deep Neural Networks. , 2019, , .		5
50	Asphalt Pavement Pothole Detection using Deep learning method based on YOLO Neural Network. , 2019, , .		49
51	Dynamic Positioning of an Underwater Vehicle using Monocular Vision-Based Object Detection with Machine Learning. , 2019, , .		2
52	Counting Instances of Objects Specified By Vague Locations Using Neural Networks on Example of Honey Bees. , 0, , .		3
53	Computer Vision-based Algae Removal Planner for Multi-robot Teams. , 2019, , .		8
54	Intelligent Detection of Object's Anomalies for Road Surveillance Cameras. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
55	Applications of Deep Learning to Road Sign Detection in DVR Images. , 2019, , .		4
56	Table Detection for Improving Accessibility of Digital Documents using a Deep Learning Approach. , 2019, , .		3
57	Association Model between Visual Feature and AQI Rank Using Lifelog Data. , 2019, , .		2
58	Deep Learning: Current State. IEEE Latin America Transactions, 2019, 17, 1925-1945.	1.2	13
59	ADoCW: An Automated method for Detection of Concealed Weapon. , 2019, , .		6
60	Accurate Lane Detection with Atrous Convolution and Spatial Pyramid Pooling for Autonomous Driving. , 2019, , .		8
61	Thin MobileNet: An Enhanced MobileNet Architecture. , 2019, , .		81
62	Target Recognition in SAR using Deep Learning. , 2019, , .		1
63	Semi-automated detection of airbases in satellite images using Deep Convolutional Neural Networks. , 2019, , .		0
64	YOLO based Logo detection. , 2019, , .		2
65	Viewing Forced Climate Patterns Through an AI Lens. Geophysical Research Letters, 2019, 46, 13389-13398.	1.5	78
66	Detection Algorithm of Takeover Behavior of Automatic Vehiclesâ€™ Drivers Based on Deep Learning. , 2019, , .		3
67	Challenges and Recent Solutions for Image Segmentation in the Era of Deep Learning. , 2019, , .		45
68	Audio-Visual Emotion Recognition Using a Hybrid Deep Convolutional Neural Network based on Census Transform. , 2019, , .		11
69	Data fusion strategy to improve the reliability of machine learning based classifications. , 2019, , .		0
70	Automatic Detection and Segmentation of Lung Lesions using Deep Residual CNNs. , 2019, , .		4
71	A Tool for Bridge Detection in Major Infrastructure Works Using Satellite Images. , 2019, , .		6
72	A Computer-Vision Based Application for Student Behavior Monitoring in Classroom. Applied Sciences (Switzerland), 2019, 9, 4729.	1.3	42

#	ARTICLE	IF	CITATIONS
73	SSDPose: A Single Shot Deep Pose Estimation and Analysis. , 2019, , .		1
74	Real-Time Traffic Status Detection from on-Line Images Using Generic Object Detection System with Deep Learning. , 2019, , .		7
75	On the Application of Automated Machine Vision for Leather Defect Inspection and Grading: A Survey. IEEE Access, 2019, 7, 176065-176086.	2.6	26
76	Evaluation of an artificial intelligence system for detecting vertical root fracture on panoramic radiography. Oral Radiology, 2020, 36, 337-343.	0.9	130
77	APLNet: Attention-enhanced progressive learning network. Neurocomputing, 2020, 371, 166-176.	3.5	8
78	How Deep Should be the Depth of Convolutional Neural Networks: a Backyard Dog Case Study. Cognitive Computation, 2020, 12, 388-397.	3.6	48
79	A survey of deep learning techniques for autonomous driving. Journal of Field Robotics, 2020, 37, 362-386.	3.2	771
80	Detecting Object Open Angle and Direction Using Machine Learning. IEEE Access, 2020, 8, 12300-12306.	2.6	10
81	An automatic computer vision pipeline for the in-line monitoring of freeze-drying processes. Computers in Industry, 2020, 115, 103184.	5.7	12
82	MonoFENet: Monocular 3D Object Detection With Feature Enhancement Networks. IEEE Transactions on Image Processing, 2020, 29, 2753-2765.	6.0	48
83	Ablate, Variate, and Contemplate: Visual Analytics for Discovering Neural Architectures. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 863-873.	2.9	26
84	Using channel pruning-based YOLO v4 deep learning algorithm for the real-time and accurate detection of apple flowers in natural environments. Computers and Electronics in Agriculture, 2020, 178, 105742.	3.7	266
85	Developing Learning-Based Preprocessing Methods for Detecting Complicated Vehicle Licence Plates. IEEE Access, 2020, 8, 170951-170966.	2.6	7
86	A Distributed Vision-Based Navigation System for Khepera IV Mobile Robots. Sensors, 2020, 20, 5409.	2.1	5
87	CONVOLUTIONAL NEURAL NETWORKS AS AN AID TO BIOSTRATIGRAPHY AND MICROPALAEONTOLOGY: A TEST ON LATE PALEOZOIC MICROFOSSILS. Palaios, 2020, 35, 391-402.	0.6	20
88	Techniques for Constructing Indoor Navigation Systems for the Visually Impaired: A Review. IEEE Transactions on Human-Machine Systems, 2020, 50, 492-506.	2.5	18
89	Detection of a Moving UAV Based on Deep Learning-Based Distance Estimation. Remote Sensing, 2020, 12, 3035.	1.8	24
90	Towards bearing failure prognostics: a practical comparison between data-driven methods for industrial applications. Journal of Mechanical Science and Technology, 2020, 34, 4161-4172.	0.7	22

#	ARTICLE	IF	CITATIONS
91	Length phenotyping with interest point detection. Computers and Electronics in Agriculture, 2020, 176, 105629.	3.7	5
92	Deep learning of brain magnetic resonance images: A brief review. Methods, 2021, 192, 131-140.	1.9	28
93	Deep learning-based object detection in low-altitude UAV datasets: A survey. Image and Vision Computing, 2020, 104, 104046.	2.7	133
94	A comprehensive and systematic look up into deep learning based object detection techniques: A review. Computer Science Review, 2020, 38, 100301.	10.2	110
95	Tools and Technologies for Blind and Visually Impaired Navigation Support: A Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2022, 39, 3-18.	2.1	86
96	An Image Classifier for Underwater Fish Detection using Classification Tree-Artificial Neural Network Hybrid. , 2020, , .		13
97	A Multi-Scale Colour and Keypoint Density-Based Approach for Visual Saliency Detection. IEEE Access, 2020, 8, 121330-121343.	2.6	14
98	Deep Learning for Change Detection in Remote Sensing Images: Comprehensive Review and Meta-Analysis. IEEE Access, 2020, 8, 126385-126400.	2.6	207
99	Deep learning based HEp-2 image classification: A comprehensive review. Medical Image Analysis, 2020, 65, 101764.	7.0	26
100	Efficient vehicle detection and tracking strategy in aerial videos by employing morphological operations and feature points motion analysis. Multimedia Tools and Applications, 2020, 79, 26023-26043.	2.6	21
101	A Survey of the Four Pillars for Small Object Detection: Multiscale Representation, Contextual Information, Super-Resolution, and Region Proposal. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 936-953.	5.9	94
102	Spike-based information encoding in vertical cavity surface emitting lasers for neuromorphic photonic systems. JPhys Photonics, 2020, 2, 044001.	2.2	22
103	Deep Learning for Retail Product Recognition: Challenges and Techniques. Computational Intelligence and Neuroscience, 2020, 2020, 1-23.	1.1	40
104	Towards practical implementations of person re-identification from full video frames. Pattern Recognition Letters, 2020, 138, 513-519.	2.6	4
105	Image-based positioning system using LED Beacon based on IoT central management. Multimedia Tools and Applications, 2020, , 1.	2.6	1
106	Toward a Highly Accurate Classification of Underwater Cable Images via Deep Convolutional Neural Network. Journal of Marine Science and Engineering, 2020, 8, 924.	1.2	11
107	Real-Time Detection of Railway Track Component via One-Stage Deep Learning Networks. Sensors, 2020, 20, 4325.	2.1	24
108	Efficient Hardware Post Processing of Anchor-Based Object Detection on FPGA. , 2020, , .		12

#	ARTICLE	IF	CITATIONS
109	Mask-R-FCN: A Deep Fusion Network for Semantic Segmentation. IEEE Access, 2020, 8, 155753-155765.	2.6	19
110	Obstacle Avoidance using mmWave Radar Imaging System. , 2020, , .		2
111	Shuttlecock Detection and Fall Point Prediction using Neural Networks. , 2020, , .		2
112	Backward Compatible Object Detection Using HDR Image Content. IEEE Access, 2020, 8, 142736-142746.	2.6	10
113	&lt;i&gt;High Throughput Phenotyping for Fusiform Rust Disease Resistance in Loblolly Pine Using Hyperspectral Imaging&lt;/i&gt;. , 2020, , .		1
114	A Survey on Performance Metrics for Object-Detection Algorithms. , 2020, , .		464
115	A Novel Transfer Learning Approach to Detect the Location of Transformers in Distribution Network. , 2020, , .		3
116	Measuring the Utilization of Public Open Spaces by Deep Learning: a Benchmark Study at the Detroit Riverfront. , 2020, , .		4
117	HyperLi-Net: A hyper-light deep learning network for high-accurate and high-speed ship detection from synthetic aperture radar imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 123-153.	4.9	106
118	Object detection of aerial image using mask-region convolutional neural network (mask R-CNN). IOP Conference Series: Earth and Environmental Science, 2020, 500, 012090.	0.2	4
119	Automated Detection and Classification of Oral Lesions Using Deep Learning for Early Detection of Oral Cancer. IEEE Access, 2020, 8, 132677-132693.	2.6	129
120	Comparison of Deep-Learning-Based Segmentation Models: Using Top View Person Images. IEEE Access, 2020, 8, 136361-136373.	2.6	50
121	A Highly Efficient Neural Network Solution for Automated Detection of Pointer Meters with Different Analog Scales Operating in Different Conditions. Mathematics, 2020, 8, 1104.	1.1	13
122	Precise object detection using adversarially augmented local/global feature fusion. Engineering Applications of Artificial Intelligence, 2020, 94, 103710.	4.3	7
123	Implementation of a unified simulation for robot arm control with object detection based on ROS and Gazebo. , 2020, , .		2
124	A Deep Learning-Based Perception Algorithm Using 3D LiDAR for Autonomous Driving: Simultaneous Segmentation and Detection Network (SSADNet). Applied Sciences (Switzerland), 2020, 10, 4486.	1.3	9
125	Tailored Deep Learning based Architecture for Smart Agriculture. , 2020, , .		13
126	TIB-Net: Drone Detection Network With Tiny Iterative Backbone. IEEE Access, 2020, 8, 130697-130707.	2.6	26



#	ARTICLE	IF	CITATIONS
127	Ernet Family: Hardware-Oriented Cnn Models For Computational Imaging Using Block-Based Inference. , 2020, , .		4
128	Linear model predictive control for vision-based UAV pursuit. Journal of Unmanned Vehicle Systems, 2020, 8, 334-363.	0.6	2
129	A birdâ€™s-eye view of deep learning in bioimage analysis. Computational and Structural Biotechnology Journal, 2020, 18, 2312-2325.	1.9	94
130	An Internet of Things Based Smart Waste Management System Using LoRa and Tensorflow Deep Learning Model. IEEE Access, 2020, 8, 148793-148811.	2.6	115
131	Joint 3D Instance Segmentation and Object Detection for Autonomous Driving. , 2020, , .		61
132	Camouflaged Object Detection. , 2020, , .		241
133	Preliminary design of a multipurpose UAV situational awareness platform based on novel computer vision and machine learning techniques. , 2020, , .		4
134	Online Optimal Adaptive Control of a Class of Uncertain Nonlinear Discrete-time Systems. , 2020, , .		1
135	SAR sensors measurements for environmental classification: Machine learning-based performances. IEEE Instrumentation and Measurement Magazine, 2020, 23, 23-30.	1.2	5
136	Deep LSAC for Fine-Grained Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 200-214.	7.2	5
137	Real-Time Fruit Recognition and Grasping Estimation for Robotic Apple Harvesting. Sensors, 2020, 20, 5670.	2.1	92
138	Multimodal Glioma Image Segmentation Using Dual Encoder Structure and Channel Spatial Attention Block. Frontiers in Neuroscience, 2020, 14, 586197.	1.4	5
139	Deep Learning for Historical Document Analysis and Recognitionâ€™A Survey. Journal of Imaging, 2020, 6, 110.	1.7	41
140	R-MnasNet: Reduced MnasNet for Computer Vision. , 2020, , .		2
141	When Self-Supervised Learning Meets Scene Classification: Remote Sensing Scene Classification Based on a Multitask Learning Framework. Remote Sensing, 2020, 12, 3276.	1.8	48
142	Object Tracking Method for Videomonitoring in Intelligent Transport Systems. , 2020, , .		11
143	Fast-D: When Non-Smoothing Color Feature Meets Moving Object Detection in Real-Time. IEEE Access, 2020, 8, 186756-186772.	2.6	10
144	A Combined Object Detection Method With Application to Pedestrian Detection. IEEE Access, 2020, 8, 194457-194465.	2.6	13

#	ARTICLE	IF	CITATIONS
145	A Robust Method for Wheatear Detection Using UAV in Natural Scenes. IEEE Access, 2020, 8, 189043-189053.	2.6	27
146	Multiclass Object Detection in UAV Images Based on Rotation Region Network. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 188-196.	1.9	10
147	A Survey of Methods for Low-Power Deep Learning and Computer Vision. , 2020, , .		50
148	Multiobject Detection Algorithm Based on Adaptive Default Box Mechanism. Complexity, 2020, 2020, 1-11.	0.9	1
149	Artificial intelligence for structural glass engineering applications â€” overview, case studies and future potentials. Glass Structures and Engineering, 2020, 5, 247-285.	0.8	24
150	Automated Segmentation and Morphological Analyses of Stockpile Aggregate Images using Deep Convolutional Neural Networks. Transportation Research Record, 2020, 2674, 285-298.	1.0	12
151	Object Detection Based on Multi-Source Information Fusion in Different Traffic Scenes. , 2020, , .		1
152	Storm-Drain and Manhole Detection Using the RetinaNet Method. Sensors, 2020, 20, 4450.	2.1	22
153	Remote Sensing for Assessing Landslides and Associated Hazards. Surveys in Geophysics, 2020, 41, 1391-1435.	2.1	49
154	CSM-Net: A Multi-Task Colorectal Cancer Analysis Framework. Sensing and Imaging, 2020, 21, 1.	1.0	0
155	Bibliometric Analysis of the Application of Convolutional Neural Network in Computer Vision. IEEE Access, 2020, 8, 155417-155428.	2.6	7
156	Environmental Sensitivity Evaluation of Neural Networks in Unmanned Vehicle Perception Module. , 2020, , .		0
157	Anchor-free Convolutional Network with Dense Attention Feature Aggregation for Ship Detection in SAR Images. Remote Sensing, 2020, 12, 2619.	1.8	50
159	Localization of Anatomical Features in Vascular-enhanced Enface OCT Images. , 2020, 2020, 1875-1878.		1
160	Comparative Study of Deep Learning Models for Vehicle Detection in an Unconstrained Road Scenario. , 2020, , .		7
161	Performance evaluation of automatic object detection with post-processing schemes under enhanced measures in wide-area aerial imagery. Multimedia Tools and Applications, 2020, 79, 30357-30386.	2.6	5
162	A-MnasNet: Augmented MnasNet for Computer Vision. , 2020, , .		3
163	DetReco: Object-Text Detection and Recognition Based on Deep Neural Network. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	10

#	ARTICLE	IF	CITATIONS
164	Inspection and Classification of Semiconductor Wafer Surface Defects Using CNN Deep Learning Networks. Applied Sciences (Switzerland), 2020, 10, 5340.	1.3	59
165	Fast Sparse ConvNets. , 2020, , .		43
166	IoT Inflated Defense Surveillance Entity Applying Human Intelligence via Faster R-CNN: An Approach. , 2020, , .		1
167	HROM: Learning High-Resolution Representation and Object-Aware Masks for Visual Object Tracking. Sensors, 2020, 20, 4807.	2.1	10
168	Hybrid strategy for traffic light detection by combining classical and selfâ€ learning detectors. IET Intelligent Transport Systems, 2020, 14, 735-741.	1.7	15
169	A Comprehensive Survey of Enabling and Emerging Technologies for Social Distancingâ€™Part II: Emerging Technologies and Open Issues. IEEE Access, 2020, 8, 154209-154236.	2.6	71
170	Long-Range Pose Estimation for Aerial Refueling Approaches Using Deep Neural Networks. Journal of Aerospace Information Systems, 2020, 17, 634-646.	1.0	4
171	Deep Learning-Based Automated Forest Health Diagnosis From Aerial Images. IEEE Access, 2020, 8, 144064-144076.	2.6	44
172	CNN-Based mmWave Path Loss Modeling for Fixed Wireless Access in Suburban Scenarios. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1694-1698.	2.4	30
173	Deep Learning for LiDAR Point Clouds in Autonomous Driving: A Review. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3412-3432.	7.2	219
174	Mask Classification and Head Temperature Detection Combined with Deep Learning Networks. , 2020, , .		16
175	Multi-Layered Basis Pursuit Algorithms for Classification of MR Images of Knee ACL Tear. IEEE Access, 2020, 8, 205424-205435.	2.6	4
176	Self-Attention Network With Joint Loss for Remote Sensing Image Scene Classification. IEEE Access, 2020, 8, 210347-210359.	2.6	7
177	Towards an Machine Learning-Based Edge Computing Oriented Monitoring System for the Desert Border Surveillance Use Case. IEEE Access, 2020, 8, 218304-218322.	2.6	3
178	Detection of Road Objects With Small Appearance in Images for Autonomous Driving in Various Traffic Situations Using a Deep Learning Based Approach. IEEE Access, 2020, 8, 211164-211172.	2.6	28
179	Real-Time Object Processing and Routing for Intelligent Drones: A Novel Approach. Computer, 2020, 53, 80-89.	1.2	3
180	Discriminative Region Mining for Object Detection. IEEE Transactions on Multimedia, 2021, 23, 4297-4310.	5.2	10
181	An Energy-Efficient Silicon Photonic-Assisted Deep Learning Accelerator for Big Data. Wireless Communications and Mobile Computing, 2020, 2020, 1-11.	0.8	4

#	ARTICLE	IF	CITATIONS
182	An Analytical Framework for Accurate Traffic Flow Parameter Calculation from UAV Aerial Videos. Remote Sensing, 2020, 12, 3844.	1.8	14
183	Research on plant diseases and insect pests identification based on CNN. IOP Conference Series: Earth and Environmental Science, 2020, 594, 012009.	0.2	4
184	Video-Tensor Completion using a Deep Learning approach. , 2020, , .		0
185	Continual Learning Strategy in One-Stage Object Detection Framework Based on Experience Replay for Autonomous Driving Vehicle. Sensors, 2020, 20, 6777.	2.1	21
186	DeepFlower: a deep learning-based approach to characterize flowering patterns of cotton plants in the field. Plant Methods, 2020, 16, 156.	1.9	36
187	Advancements in Deep Learning Theory and Applications: Perspective in 2020 and beyond. , 0, , .		4
188	Improving the Accuracy of Deep Neural Networks Through Developing New Activation Functions. , 2020, , .		6
189	A mask R-CNN based method for inspecting cable brackets in aircraft. Chinese Journal of Aeronautics, 2021, 34, 214-226.	2.8	6
190	Identification of dental implants using deep learningâ€”pilot study. International Journal of Implant Dentistry, 2020, 6, 53.	1.1	55
191	Weight initialization basedâ€”rectified linear unit activation function to improve the performance of a convolutional neural network model. Concurrency Computation Practice and Experience, 2021, 33, e6143.	1.4	16
192	Computer-aided Assessment of Catheters and Tubes on Radiographs: How Good Is Artificial Intelligence for Assessment?. Radiology: Artificial Intelligence, 2020, 2, e190082.	3.0	19
193	Inference of Drawing Elements and Space Usage on Architectural Drawings Using Semantic Segmentation. Applied Sciences (Switzerland), 2020, 10, 7347.	1.3	9
194	A Deep Learning Instance Segmentation Approach for Global Glomerulosclerosis Assessment in Donor Kidney Biopsies. Electronics (Switzerland), 2020, 9, 1768.	1.8	30
195	Prototype to Increase Crosswalk Safety by Integrating Computer Vision with ITS-G5 Technologies. Information (Switzerland), 2020, 11, 503.	1.7	0
196	Automatic Aerial Victim Detection on Low-Cost Thermal Camera Using Convolutional Neural Network. , 2020, , .		16
197	Generation, Classification and Segmentation of Point Clouds in Logistic Context with PointNet++ and DGCNN. , 2020, , .		0
198	Passive Observer of Activities for Aging in Place Using a Network of RGB-D Sensors. International Journal of Telemedicine and Applications, 2020, 2020, 1-15.	1.1	3
199	When Deep Learning Meets Data Alignment: A Review on Deep Registration Networks (DRNs). Applied Sciences (Switzerland), 2020, 10, 7524.	1.3	22

#	ARTICLE	IF	CITATIONS
200	Lightweight PVIDNet: A Priority Vehicles Detection Network Model Based on Deep Learning for Intelligent Traffic Lights. <i>Sensors</i> , 2020, 20, 6218.	2.1	27
201	Automatic Recognition of Sucker-Rod Pumping System Working Conditions Using Dynamometer Cards with Transfer Learning and SVM. <i>Sensors</i> , 2020, 20, 5659.	2.1	25
202	One-Shot Unsupervised Domain Adaptation for Object Detection. , 2020, , .		1
203	Towards a Domain-Specific Deep Learning Models for Medical Image Analysis. , 2020, , .		0
204	An automatic sorting system for unwashed eggs using deep learning. <i>Journal of Food Engineering</i> , 2020, 283, 110036.	2.7	57
205	Predicting Studentsâ€™ Performance With School and Family Tutoring Using Generative Adversarial Network-Based Deep Support Vector Machine. <i>IEEE Access</i> , 2020, 8, 86745-86752.	2.6	73
206	Small-Object Detection in Remote Sensing Images with End-to-End Edge-Enhanced GAN and Object Detector Network. <i>Remote Sensing</i> , 2020, 12, 1432.	1.8	148
207	Review of prominent strategies for mapping CNNs onto embedded systems. <i>IEEE Latin America Transactions</i> , 2020, 18, 971-982.	1.2	12
208	Deep-Learning-Based Indoor Human Following of Mobile Robot Using Color Feature. <i>Sensors</i> , 2020, 20, 2699.	2.1	39
209	Convolutional Neural Networks for Image-Based Corn Kernel Detection and Counting. <i>Sensors</i> , 2020, 20, 2721.	2.1	39
210	Identification of Pancreaticoduodenectomy Resection for Pancreatic Head Adenocarcinoma: A Preliminary Study of Radiomics. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-12.	0.7	12
211	Object Detection Routine for Material Streams Combining RGB and Hyperspectral Reflectance Data Based on Guided Object Localization. <i>IEEE Sensors Journal</i> , 2020, 20, 11490-11498.	2.4	10
212	Convolutional Neural Network in Intelligent Fault Diagnosis Toward Rotatory Machinery. <i>IEEE Access</i> , 2020, 8, 86510-86519.	2.6	96
213	Investigations of Object Detection in Images/Videos Using Various Deep Learning Techniques and Embedded Platformsâ€™ A Comprehensive Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3280.	1.3	76
214	Convolutional Neural Networks for Rissoâ€™s Dolphins Identification. <i>IEEE Access</i> , 2020, 8, 80195-80206.	2.6	26
215	Efficient Proposals: Scale Estimation for Object Proposals in Pedestrian Detection Tasks. <i>IEEE Signal Processing Letters</i> , 2020, 27, 855-859.	2.1	2
216	MotionRec: A Unified Deep Framework for Moving Object Recognition. , 2020, , .		20
217	Robust Object Tracking via Information Theoretic Measures. <i>International Journal of Automation and Computing</i> , 2020, 17, 652-666.	4.5	1

#	ARTICLE	IF	CITATIONS
218	Transfer Learning with L2 Norm Regularization for classifying static Two Hand Hindi Sign Language Gestures. , 2020, , .		7
219	Data-driven nonrigid object feature analysis: Subspace application of incidence structure. Engineering Reports, 2020, 2, e12141.	0.9	0
220	Monocular depth estimation based on deep learning: An overview. Science China Technological Sciences, 2020, 63, 1612-1627.	2.0	161
221	Novel up-scale feature aggregation for object detection in aerial images. Neurocomputing, 2020, 411, 364-374.	3.5	30
222	Deep Model-Based Semi-Supervised Learning Way for Outlier Detection in Wireless Capsule Endoscopy Images. IEEE Access, 2020, 8, 81621-81632.	2.6	9
223	Object Detection Based on Global-Local Saliency Constraint in Aerial Images. Remote Sensing, 2020, 12, 1435.	1.8	31
224	A Novel Technique for Segmentation of High Resolution Remote Sensing Images Based on Neural Networks. Neural Processing Letters, 2020, 52, 679-692.	2.0	8
225	Pyramidal Part-Based Model for Partial Occlusion Handling in Pedestrian Classification. Advances in Multimedia, 2020, 2020, 1-15.	0.2	3
226	Visual-Based Defect Detection and Classification Approaches for Industrial Applications – A SURVEY. Sensors, 2020, 20, 1459.	2.1	182
227	DSNet: Joint Semantic Learning for Object Detection in Inclement Weather Conditions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	9.7	75
228	A novel architecture: Using convolutional neural networks for Kansei attributes automatic evaluation and labeling. Advanced Engineering Informatics, 2020, 44, 101055.	4.0	19
229	Deep-learning-based image segmentation integrated with optical microscopy for automatically searching for two-dimensional materials. Npj 2D Materials and Applications, 2020, 4, .	3.9	86
230	A local deviation constraint based non-rigid structure from motion approach. IEEE/CAA Journal of Automatica Sinica, 2020, , 1-10.	8.5	1
231	Towards Deep Object Detection Techniques for Phoneme Recognition. IEEE Access, 2020, 8, 54663-54680.	2.6	19
232	Deep Learning Based Application for Indoor Scene Recognition. Neural Processing Letters, 2020, 51, 2827-2837.	2.0	41
233	Pedestrian Detection in Severe Weather Conditions. IEEE Access, 2020, 8, 62775-62784.	2.6	58
234	A Survey of Autonomous Driving: Common Practices and Emerging Technologies. IEEE Access, 2020, 8, 58443-58469.	2.6	768
235	Multimodal Bilinear Fusion Network With Second-Order Attention-Based Channel Selection for Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1011-1026.	2.3	43

#	ARTICLE	IF	CITATIONS
236	Vineyard trunk detection using deep learning – An experimental device benchmark. Computers and Electronics in Agriculture, 2020, 175, 105535.	3.7	33
237	Catch Gesture: An Ultimate Action Recognition Technology Using IoT Device. , 2020, , .		0
238	Prediction of Dust Storm Direction from Satellite Images by Utilized Deep Learning Neural Network. , 2020, , .		3
239	Work-in-Progress: Towards detection and syntactical analysis in UML class diagrams for software engineering education. , 2020, , .		4
240	Toward Intelligent Industrial Informatics: A Review of Current Developments and Future Directions of Artificial Intelligence in Industrial Applications. IEEE Industrial Electronics Magazine, 2020, 14, 57-72.	2.3	43
241	DFENet: Deep Feature Enhancement Network for Accurate Calculation of Instantaneous Wave-Free Ratio. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-11.	2.2	1
242	Complete Defense Framework to Protect Deep Neural Networks against Adversarial Examples. Mathematical Problems in Engineering, 2020, 2020, 1-17.	0.6	6
243	Autonomous Underwater Monitoring System for Detecting Life on the Seabed by Means of Computer Vision Cloud Services. Remote Sensing, 2020, 12, 1981.	1.8	23
244	Computer Vision Toolkit for Non-invasive Monitoring of Factory Floor Artifacts. Procedia Manufacturing, 2020, 48, 1020-1028.	1.9	10
245	An experimental study of vehicle detection on aerial imagery using deep learning-based detection approaches. Journal of Physics: Conference Series, 2020, 1550, 032005.	0.3	2
246	In object detection deep learning methods, YOLO shows supremum to Mask R-CNN. Journal of Physics: Conference Series, 2020, 1529, 042086.	0.3	26
247	VoxRec: Hybrid Convolutional Neural Network for Active 3D Object Recognition. IEEE Access, 2020, 8, 70969-70980.	2.6	4
249	Automated thyroid nodule detection from ultrasound imaging using deep convolutional neural networks. Computers in Biology and Medicine, 2020, 122, 103871.	3.9	59
250	Shrimp recognition using ShrimpNet based on convolutional neural network. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	21
251	A review of deep learning with special emphasis on architectures, applications and recent trends. Knowledge-Based Systems, 2020, 194, 105596.	4.0	222
252	A deep collocation method for heat transfer in porous media: Verification from the finite element method. Journal of Energy Storage, 2020, 28, 101280.	3.9	15
253	Automatic Handgun and Knife Detection Algorithms: A Review. , 2020, , .		10
254	Regional Patch-Based Feature Interpolation Method for Effective Regularization. IEEE Access, 2020, 8, 33658-33665.	2.6	2

#	ARTICLE	IF	CITATIONS
255	Prediction of Driver's Attention Points Based on Attention Model. Applied Sciences (Switzerland), 2020, 10, 1083.	1.3	6
256	A Deep Parallel Diagnostic Method for Transformer Dissolved Gas Analysis. Applied Sciences (Switzerland), 2020, 10, 1329.	1.3	21
257	Fish Detection Using Deep Learning. Applied Computational Intelligence and Soft Computing, 2020, 2020, 1-13.	1.6	47
258	A Lightweight Appearance Quality Assessment System Based on Parallel Deep Learning for Painted Car Body. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5298-5307.	2.4	14
259	Learning a robust CNN-based rotation insensitive model for ship detection in VHR remote sensing images. International Journal of Remote Sensing, 2020, 41, 3614-3626.	1.3	19
260	Recent advances in deep learning for object detection. Neurocomputing, 2020, 396, 39-64.	3.5	534
261	Segmentation through patch classification: A neural network approach to detect Posidonia oceanica in underwater images. Ecological Informatics, 2020, 56, 101053.	2.3	12
262	Detection and Location Estimation of Object in Unmanned Aerial Vehicle using Single Camera and GPS. , 2020, , .		5
263	Dental Images Recognition Technology and Applications: A Literature Review. Applied Sciences (Switzerland), 2020, 10, 2856.	1.3	25
264	A Multi-Class Multi-Movement Vehicle Counting Framework for Traffic Analysis in Complex Areas Using CCTV Systems. Energies, 2020, 13, 2036.	1.6	27
265	Obtaining Urban Waterlogging Depths from Video Images Using Synthetic Image Data. Remote Sensing, 2020, 12, 1014.	1.8	14
266	Intelligent optic disc segmentation using improved particle swarm optimization and evolving ensemble models. Applied Soft Computing Journal, 2020, 92, 106328.	4.1	52
267	Multiple-target tracking in human and machine vision. PLoS Computational Biology, 2020, 16, e1007698.	1.5	12
268	Real Time Automatic Attendance System for Face Recognition Using Face API and OpenCV. Wireless Personal Communications, 2020, 113, 469-480.	1.8	48
269	Recent advances in small object detection based on deep learning: A review. Image and Vision Computing, 2020, 97, 103910.	2.7	274
270	Audio Adversarial Examples Generation with Recurrent Neural Networks. , 2020, , .		12
271	Ultra-thin MobileNet. , 2020, , .		5
272	Exploring Deep Learning based Object Detection Architectures: A Review. , 2020, , .		1



#	ARTICLE	IF	CITATIONS
273	Small Object Detection in Aerial Imagery using RetinaNet with Anchor Optimization. , 2020, , .		13
274	Automatic classification of medical X-ray images with convolutional neural networks. , 2020, , .		3
275	A Study of Multispectral Technology and Two-Dimension Autoencoder for Coal and Gangue Recognition. IEEE Access, 2020, 8, 61834-61843.	2.6	23
276	Intelligent Navigation System for the Visually Impaired - A Deep Learning Approach. , 2020, , .		2
277	Expert-level automated malaria diagnosis on routine blood films with deep neural networks. American Journal of Hematology, 2020, 95, 883-891.	2.0	30
278	Bypassing MRI Pre-processing in Alzheimer's Disease Diagnosis using Deep Learning Detection Network. , 2020, , .		10
279	YOLO v3-Tiny: Object Detection and Recognition using one stage improved model. , 2020, , .		226
280	Object Detection Algorithm Based on Improved YOLOv3. Electronics (Switzerland), 2020, 9, 537.	1.8	165
281	A wearable sensor vest for social humanoid robots with GPGPU, IoT, and modular software architecture. Robotics and Autonomous Systems, 2021, 139, 103536.	3.0	10
282	Joint Anchor-Feature Refinement for Real-Time Accurate Object Detection in Images and Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 594-607.	5.6	36
283	A Robust and Accurate Deep-learning-based Method for the Segmentation of Subcortical Brain: Cross-dataset Evaluation of Generalization Performance. Magnetic Resonance in Medical Sciences, 2021, 20, 166-174.	1.1	3
284	Probabilistic Knowledge Transfer for Lightweight Deep Representation Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2030-2039.	7.2	39
285	Ship Detection in Large-Scale SAR Images Via Spatial Shuffle-Group Enhance Attention. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 379-391.	2.7	158
286	Performance benchmarking of deep learning framework on Intel Xeon Phi. Journal of Supercomputing, 2021, 77, 2486-2510.	2.4	7
287	Convolutional Neural Networks With Dynamic Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2299-2304.	7.2	14
288	Deep semantic segmentation of natural and medical images: a review. Artificial Intelligence Review, 2021, 54, 137-178.	9.7	398
289	Skill transfer support model based on deep learning. Journal of Intelligent Manufacturing, 2021, 32, 1129-1146.	4.4	26
290	Learning credible DNNs via incorporating prior knowledge and model local explanation. Knowledge and Information Systems, 2021, 63, 305-332.	2.1	6

#	ARTICLE	IF	CITATIONS
291	Quality assessment of compressed and resized medical images based on pattern recognition using a convolutional neural network. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105582.	1.7	14
292	CGNet: A graph-knowledge embedded convolutional neural network for detection of pneumonia. Information Processing and Management, 2021, 58, 102411.	5.4	62
293	Real-time vision-based worker localization & hazard detection for construction. Automation in Construction, 2021, 121, 103448.	4.8	46
294	Probabilistic framework for solving visual dialog. Pattern Recognition, 2021, 110, 107586.	5.1	8
295	Convolutional neural networks for enhanced classification mechanisms of metamodels. Journal of Systems and Software, 2021, 172, 110860.	3.3	24
296	Recent advances in artificial intelligence and machine learning for nonlinear relationship analysis and process control in drinking water treatment: A review. Chemical Engineering Journal, 2021, 405, 126673.	6.6	163
297	Deep learning for brake squeal: Brake noise detection, characterization and prediction. Mechanical Systems and Signal Processing, 2021, 149, 107181.	4.4	48
298	KeyFrame extraction based on face quality measurement and convolutional neural network for efficient face recognition in videos. Multimedia Tools and Applications, 2021, 80, 23157-23179.	2.6	4
299	A Description Scheme for Video Overview Based on Scene Detection and Face Clustering. Journal of Circuits, Systems and Computers, 2021, 30, 2150002.	1.0	3
300	KGSNet: Key-Point-Guided Super-Resolution Network for Pedestrian Detection in the Wild. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2251-2265.	7.2	12
301	Using spotted hyena optimizer for training feedforward neural networks. Cognitive Systems Research, 2021, 65, 1-16.	1.9	27
303	Artificial intelligence for pathology. , 2021, , 183-221.		2
304	The impact of pre- and post-image processing techniques on deep learning frameworks: A comprehensive review for digital pathology image analysis. Computers in Biology and Medicine, 2021, 128, 104129.	3.9	139
305	Point-cloud based 3D object detection and classification methods for self-driving applications: A survey and taxonomy. Information Fusion, 2021, 68, 161-191.	11.7	118
306	Fast heuristic method to detect people in frontal depth images. Expert Systems With Applications, 2021, 168, 114483.	4.4	8
307	Development of an Image Data Set of Construction Machines for Deep Learning Object Detection. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	64
308	Object Detection for Unmanned Aerial Vehicle Camera via Convolutional Neural Networks. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 98-103.	1.9	17
309	YOLOrs: Object Detection in Multimodal Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1497-1508.	2.3	39

#	ARTICLE	IF	CITATIONS
310	Deep Learning-Based Detection of Endothelial Tip Cells in the Oxygen-Induced Retinopathy Model. Toxicologic Pathology, 2021, 49, 862-871.	0.9	1
311	Autonomous dishwasher loading from cluttered trays using pre-trained deep neural networks. Engineering Reports, 2021, 3, e12321.	0.9	3
312	Dual subspace discriminative projection learning. Pattern Recognition, 2021, 111, 107581.	5.1	18
313	Estimating Traffic in Urban Areas from Very-High Resolution Aerial Images. International Journal of Remote Sensing, 2021, 42, 865-883.	1.3	4
314	An automatic framework for endoscopic image restoration and enhancement. Applied Intelligence, 2021, 51, 1959-1971.	3.3	12
315	Semantic Segmentation of Defects in Infrared Thermographic Images of Highly Damaged Concrete Structures. Journal of Performance of Constructed Facilities, 2021, 35, .	1.0	38
316	Eccentricity based kinship verification from facial images in the wild. Pattern Analysis and Applications, 2021, 24, 119-144.	3.1	8
317	Vision-based robotic grasping from object localization, object pose estimation to grasp estimation for parallel grippers: a review. Artificial Intelligence Review, 2021, 54, 1677-1734.	9.7	217
318	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	24.8	75
319	Surface defect detection of steel strips based on classification priority YOLOv3-dense network. Ironmaking and Steelmaking, 2021, 48, 547-558.	1.1	46
320	Collaborative Attention-Based Heterogeneous Gated Fusion Network for Land Cover Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3829-3845.	2.7	25
321	Tracking Neutrophil Migration in Zebrafish Model Using Multi-Channel Feature Learning. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1197-1205.	3.9	5
322	An Effective Microscopic Detection Method for Automated Silicon-Substrate Ultra-microtome (ASUM). Neural Processing Letters, 2021, 53, 1723-1740.	2.0	6
323	Safer-Driving: Application of Deep Transfer Learning to Build Intelligent Transportation Systems. Studies in Computational Intelligence, 2021, , 135-150.	0.7	0
324	A Systematic Investigation on Deep Architectures for Automatic Skin Lesions Classification. , 2021, , .		5
325	Transfer Learning for Instance Segmentation of Waste Bottles Using Mask R-CNN Algorithm. Advances in Intelligent Systems and Computing, 2021, , 140-149.	0.5	3
326	Deep Learning-Based UAV Detection in Pulse-Doppler Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	21
327	Neural Network for Denoising and Reading Degraded License Plates. Lecture Notes in Computer Science, 2021, , 484-499.	1.0	6

#	ARTICLE	IF	CITATIONS
328	The INUS Platform: A Modular Solution for Object Detection and Tracking from UAVs and Terrestrial Surveillance Assets. <i>Computation</i> , 2021, 9, 12.	1.0	8
329	DEVELOPMENT OF A WORKERS' POSTURE ESTIMATION SYSTEM BASED ON THE OWAS METHOD USING HELMET-MOUNTED TERMINALS. <i>Journal of Japan Society of Civil Engineers, Ser F3 (Civil Engineering)</i> Tj ETQq1 1 0.784314 rgBT /Over	1.0	8
330	Rapid Gas Sensing Based on Pulse Heating and Deep Learning. , 2021, , .		2
331	Active Object Detection Based on a Novel Deep Q-Learning Network and Long-Term Learning Strategy for the Service Robot. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 5984-5993.	5.2	10
332	Modified Sliding Singular Spectrum Analysis-Based Noncontact-Type Detection of Separated Instrument in Root Canal Therapy Using Low-Frequency Ultrasonic Pattern Transceiver Design. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	2.4	2
333	Learning Sparse Neural Networks Using Non-Convex Regularization. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 287-299.	3.4	6
334	Underexposed Image Correction via Hybrid Priors Navigated Deep Propagation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3425-3436.	7.2	9
335	Designing Efficient DNNs via Hardware-Aware Neural Architecture Search and Beyond. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2022, 41, 1799-1812.	1.9	5
336	Pre-launch AI matcher for distributed intelligent photo surveying. <i>Procedia Computer Science</i> , 2021, 186, 538-545.	1.2	1
337	A hybrid representation of the environment to improve autonomous navigation of mobile robots in agriculture. <i>Precision Agriculture</i> , 2021, 22, 524-549.	3.1	30
338	Object detection. , 2021, , 283-331.		3
339	A Simple Strategy for Choosing Network Structures in a Object Detection Project with Transfer Learning. <i>Communications in Computer and Information Science</i> , 2021, , 76-87.	0.4	0
340	A Reconfigurable Neural Network Processor With Tile-Grained Multicore Pipeline for Object Detection on FPGA. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2021, 29, 1967-1980.	2.1	5
341	Improving Autonomous Vehicles Safety in Snow Weather Using Federated YOLO CNN Learning. <i>Lecture Notes in Computer Science</i> , 2021, , 121-134.	1.0	15
342	Multiscale Graph Sample and Aggregate Network With Context-Aware Learning for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4561-4572.	2.3	75
343	Implementing a real-time, AI-based, people detection and social distancing measuring system for Covid-19. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1937-1947.	2.2	79
344	An Energy-Efficient 3D Cross-Ring Accelerator With 3D-SRAM Cubes for Hybrid Deep Neural Networks. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021, 11, 776-788.	2.7	5
345	Computer Vision Assisted Approaches to Detect Street Garbage from Citizen Generated Imagery. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 526-541.	0.2	0

#	ARTICLE	IF	CITATIONS
346	Custom Hardware Architectures for Deep Learning on Portable Devices: A Review. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6068-6088.	7.2	21
347	Object Detection: State of the Art and Beyond. Human-computer Interaction Series, 2021, , 9-29.	0.4	0
348	Transductive Relation-Propagation With Decoupling Training for Few-Shot Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6652-6664.	7.2	7
349	Deep Learning for LiDAR-Based Autonomous Vehicles in Smart Cities. , 2021, , 957-980.		0
350	LoRa System for Monitoring and Facial Recognition. Journal of Communication and Information Systems, 2021, 36, 1-16.	0.2	0
351	Object Detection Models and Research Directions. , 2021, , .		7
352	Deep Learning for LiDAR-Based Autonomous Vehicles in Smart Cities. , 2021, , 1-24.		1
353	COVID-19: AI-Enabled Social Distancing Detector Using CNN. EAI/Springer Innovations in Communication and Computing, 2021, , 95-115.	0.9	0
355	A Self-Training Approach for Point-Supervised Object Detection and Counting in Crowds. IEEE Transactions on Image Processing, 2021, 30, 2876-2887.	6.0	59
356	Real-Time Authentication with A.I. SSRN Electronic Journal, 0, , .	0.4	1
357	Insulator Anomaly Detection Method Based on Few-Shot Learning. IEEE Access, 2021, 9, 94970-94980.	2.6	7
358	Design and Implementation of a Vision- and Grating-Sensor-Based Intelligent Unmanned Settlement System. IEEE Transactions on Artificial Intelligence, 2022, 3, 254-264.	3.4	0
359	Equivalence of Correlation Filter and Convolution Filter in Visual Tracking. Lecture Notes in Computer Science, 2021, , 623-634.	1.0	2
360	Joint Object Affordance Reasoning and Segmentation in RGB-D Videos. IEEE Access, 2021, 9, 89699-89713.	2.6	3
361	YolTrack: Multitask Learning Based Real-Time Multiobject Tracking and Segmentation for Autonomous Vehicles. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5323-5333.	7.2	15
362	Hierarchical Semantic Graph Reasoning for Train Component Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4502-4514.	7.2	4
363	Markovian RNN: An Adaptive Time Series Prediction Network With HMM-Based Switching for Nonstationary Environments. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 715-728.	7.2	7
364	Inspection of Defects in Weld Using Differential Array ECT Probe and Deep Learning Algorithm. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	10

#	ARTICLE	IF	CITATIONS
365	A Short Survey on Real-Time Object Detection and Its Challenges. Lecture Notes in Electrical Engineering, 2021, , 93-100.	0.3	2
367	Fast automated detection of COVID-19 from medical images using convolutional neural networks. Communications Biology, 2021, 4, 35.	2.0	43
368	Deep Learning in EEG: Advance of the Last Ten-Year Critical Period. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 348-365.	2.6	41
369	MVF-Net: A Multi-View Fusion Network for Event-Based Object Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8275-8284.	5.6	18
370	A Comparative Analysis of Object Detection Metrics with a Companion Open-Source Toolkit. Electronics (Switzerland), 2021, 10, 279.	1.8	296
371	2D Laser and 3D Camera Data Integration and Filtering for Human Trajectory Tracking. , 2021, , .		8
372	Coarse-to-Fine: Progressive Knowledge Transfer-Based Multitask Convolutional Neural Network for Intelligent Large-Scale Fault Diagnosis. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 761-774.	7.2	23
373	Hyperspectral Image Classification With Mixed Link Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2494-2507.	2.3	19
374	Thermal Object Detection Using Yolov3 and Spatial Pyramid Pooling. Algorithms for Intelligent Systems, 2021, , 553-565.	0.5	1
376	Vision-Based User-Friendly and Contactless Security for Home Appliance via Hand Gestures. Studies in Computational Intelligence, 2021, , 25-37.	0.7	0
377	A Practical Hybrid Active Learning Approach for Human Pose Estimation. Lecture Notes in Computer Science, 2021, , 334-343.	1.0	0
378	YOLOv4 for Urban Object Detection: Case of Electronic Inventory in St. Petersburg. , 2021, , .		5
379	Artwork Identification in a Museum Environment: A Quantitative Evaluation of Factors Affecting Identification Accuracy. Lecture Notes in Computer Science, 2021, , 588-595.	1.0	0
380	Joint Anchor-Feature Refinement for Real-Time Accurate Object Detection in Images and Videos. , 2021, , 89-124.		1
381	SAR Parametric Super-Resolution Image Reconstruction Methods Based on ADMM and Deep Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10197-10212.	2.7	22
382	Encoder-Decoder Structure With the Feature Pyramid for Depth Estimation From a Single Image. IEEE Access, 2021, 9, 22640-22650.	2.6	5
383	Predicting the Generalization Ability of a Few-Shot Classifier. Information (Switzerland), 2021, 12, 29.	1.7	0
384	Investigating response time and accuracy in online classifier learning for multimedia publish-subscribe systems. Multimedia Tools and Applications, 2021, 80, 13021-13057.	2.6	3

#	ARTICLE	IF	CITATIONS
385	Modules and Techniques for Motion Planning: An Industrial Perspective. <i>Sensors</i> , 2021, 21, 420.	2.1	0
386	New Generation Deep Learning for Video Object Detection: A Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3195-3215.	7.2	62
387	A Lightweight Encoderâ€œDecoder Path for Deep Residual Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 866-878.	7.2	3
388	A novel data augmentation approach for mask detection using deep transfer learning. <i>Intelligence-based Medicine</i> , 2021, 5, 100037.	1.4	13
389	Pedestrian Street-Cross Action Recognition in Monocular Far Infrared Sequences. <i>IEEE Access</i> , 2021, 9, 74302-74324.	2.6	28
390	3D skeletal movement-enhanced emotion recognition networks. <i>APSIPA Transactions on Signal and Information Processing</i> , 2021, 10, .	2.6	1
391	Implementation of CNN based COVID-19 classification model from CT images. , 2021, , .		5
392	Rethinking of Deep Models Parameters with Respect to Data Distribution. , 2021, , .		0
393	Deep Learning Meets SAR: Concepts, models, pitfalls, and perspectives. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021, 9, 143-172.	4.9	144
394	Knowledge Implementation and Transfer With an Adaptive Learning Network for Real-Time Power Management of the Plug-in Hybrid Vehicle. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5298-5308.	7.2	52
395	Rethinking and Designing a High-Performing Automatic License Plate Recognition Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 8868-8880.	4.7	25
396	A Real-Time Deep Transfer Learning-Based Classification and Social Distance Alert Framework Based on Covid-19. <i>International Journal of Current Research and Review (discontinued)</i> , 2021, , 86-92.	0.1	0
397	Multispectral Object Detection with Deep Learning. <i>Communications in Computer and Information Science</i> , 2021, , 105-117.	0.4	7
398	Surrogate-Assisted Hybrid-Model Estimation of Distribution Algorithm for Mixed-Variable Hyperparameters Optimization in Convolutional Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 2338-2352.	7.2	22
399	Object Detection in Rural Roads Through SSD and YOLO Framework. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 176-185.	0.5	6
400	MESNet: A Convolutional Neural Network for Spotting Multi-Scale Micro-Expression Intervals in Long Videos. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 3956-3969.	6.0	67
401	Directional Deep Embedding and Appearance Learning for Fast Video Object Segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3884-3894.	7.2	5
402	MAS3K: An Open Dataset for Marine Animal Segmentation. <i>Lecture Notes in Computer Science</i> , 2021, , 194-212.	1.0	4

#	ARTICLE	IF	CITATIONS
403	A Twofold Convolutional Regression Tracking Network With Temporal and Spatial Mechanism. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1537-1551.	5.6	9
404	Human-Machine Cooperative Video Anomaly Detection. Proceedings of the ACM on Human-Computer Interaction, 2021, 4, 1-18.	2.5	12
405	Object detection method based on global feature augmentation and adaptive regression in IoT. Neural Computing and Applications, 2021, 33, 4119-4131.	3.2	3
406	Fault Diagnosis of High-Speed Train Bogie Based on the Improved-CEEMDAN and 1-D CNN Algorithms. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	43
407	An improved steganography without embedding based on attention GAN. Peer-to-Peer Networking and Applications, 2021, 14, 1446-1457.	2.6	18
408	Content piracy: A large scale logo dataset for classification through deep learning. Materials Today: Proceedings, 2021, , .	0.9	0
409	Energy-Efficient Accelerator Design With Tile-Based Row-Independent Compressed Memory for Sparse Compressed Convolutional Neural Networks. IEEE Open Journal of Circuits and Systems, 2021, 2, 131-143.	1.4	3
410	Adaptive Learning without Forgetting via Low-Complexity Convex Networks. , 2021, , .		0
411	Multiscale Dynamic Fusion Global Sparse Network for Gearbox Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	17
412	LabelDetection: Simplifying the Use and Construction of Deep Detection Models. Lecture Notes in Computer Science, 2021, , 14-22.	1.0	0
413	Deep learning-based detection of dental prostheses and restorations. Scientific Reports, 2021, 11, 1960.	1.6	26
414	Occlusion Handling in Generic Object Detection: A Review. , 2021, , .		25
415	Enabling autonomous scanning probe microscopy imaging of single molecules with deep learning. Nanoscale, 2021, 13, 9193-9203.	2.8	24
417	AraCap: A hybrid deep learning architecture for Arabic Image Captioning. Procedia Computer Science, 2021, 189, 382-389.	1.2	4
418	Survey of Real-Time Object Detection for Logo Detection System. Algorithms for Intelligent Systems, 2021, , 61-72.	0.5	4
419	Concealed Object Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6024-6042.	9.7	160
420	Deep Learning Architecture for Topological Optimized Mechanical Design Generation with Complex Shape Criterion. Lecture Notes in Computer Science, 2021, , 222-234.	1.0	4
421	Activation Functions for Convolutional Neural Networks: Proposals and Experimental Study. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1478-1488.	7.2	4



#	ARTICLE	IF	CITATIONS
422	RarePlanes: Synthetic Data Takes Flight. , 2021, , .		48
423	Multi-Branch Network for Small Human Pose Estimation. Lecture Notes in Computer Science, 2021, , 343-355.	1.0	0
424	Multi-Scale Hybrid Fusion Network for Single Image Deraining. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3594-3608.	7.2	21
425	TDIOT: Target-Driven Inference for Deep Video Object Tracking. IEEE Transactions on Image Processing, 2021, 30, 7938-7951.	6.0	11
426	Learning Polar Encodings for Arbitrary-Oriented Ship Detection in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3846-3859.	2.3	32
427	NeuroCartography: Scalable Automatic Visual Summarization of Concepts in Deep Neural Networks. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 813-823.	2.9	9
428	A Multitask Learning-Based Neural Network for Defect Detection on Textured Surfaces Under Weak Supervision. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	4
429	Delving in the loss landscape to embed robust watermarks into neural networks. , 2021, , .		10
430	Enhancing Object Detection Using Synthetic Examples. , 2021, , .		1
431	Detection and Correspondence Matching of Corneal Reflections for Eye Tracking Using Deep Learning. , 2021, , .		4
432	FINE-TUNING DEEP LEARNING MODELS FOR PEDESTRIAN DETECTION. Boletim De Ciencias Geodesicas, 2021, 27, .	0.2	8
433	Lightweight Deep Neural Network for Joint Learning of Underwater Object Detection and Color Conversion. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6129-6143.	7.2	66
434	Automated vision system for magnetic particle inspection of crankshafts using convolutional neural networks. International Journal of Advanced Manufacturing Technology, 2021, 112, 3307-3326.	1.5	19
435	Adaptive Technique for Brightness Enhancement of Automated Knife Detection in Surveillance Video with Deep Learning. Arabian Journal for Science and Engineering, 2021, 46, 4049-4058.	1.7	11
436	Detecting Soccer Balls with Reduced Neural Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	5
437	Practices and Applications of Convolutional Neural Network-Based Computer Vision Systems in Animal Farming: A Review. Sensors, 2021, 21, 1492.	2.1	64
438	Single-View 3D reconstruction: A Survey of deep learning methods. Computers and Graphics, 2021, 94, 164-190.	1.4	45
439	First return, then explore. Nature, 2021, 590, 580-586.	13.7	103

#	ARTICLE	IF	CITATIONS
440	Deep Learning-Based Industry 4.0 and Internet of Things towards Effective Energy Management for Smart Buildings. <i>Sensors</i> , 2021, 21, 1038.	2.1	103
441	$\text{Net}^3$ : end-to-end deep learning for efficient real-time visual active camera control. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1421-1433.	2.2	6
442	Automatic far-field camera calibration for construction scene analysis. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021, 36, 1073-1090.	6.3	13
443	An Extensive Study on Deep Learning: Techniques, Applications. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4471-4485.	6.0	8
444	Bringing Semantics to the Vineyard: An Approach on Deep Learning-Based Vine Trunk Detection. <i>Agriculture (Switzerland)</i> , 2021, 11, 131.	1.4	18
445	Pedestrian Counting Using Yolo V3. , 2021, , .		6
446	Site Detection for Autonomous Soft-Landing on Asteroids Using Deep Learning. , 2021, 6, 365.		3
447	A Smartphone-Based Application for Scale Pest Detection Using Multiple-Object Detection Methods. <i>Electronics (Switzerland)</i> , 2021, 10, 372.	1.8	59
448	Pedestrian Detection under Parallel Feature Fusion Based on Choquet Integral. <i>Symmetry</i> , 2021, 13, 250.	1.1	6
449	Generative adversarial networks for the design of acoustic metamaterials. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 1162-1174.	0.5	57
450	Application of deep learning algorithms in geotechnical engineering: a short critical review. <i>Artificial Intelligence Review</i> , 2021, 54, 5633-5673.	9.7	223
451	Design and Development of an Internet of Smart Cameras Solution for Complex Event Detection in COVID-19 Risk Behaviour Recognition. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 81.	1.4	3
452	A survey on deep learning in medicine: Why, how and when?. <i>Information Fusion</i> , 2021, 66, 111-137.	11.7	188
453	Planning of Service Mobile Robot Based on Convolutional LSTM Network. <i>Journal of Physics: Conference Series</i> , 2021, 1828, 012002.	0.3	1
454	Accelerating 3D Medical Image Segmentation by Adaptive Small-Scale Target Localization. <i>Journal of Imaging</i> , 2021, 7, 35.	1.7	10
455	Fall Detection System-Based Posture-Recognition for Indoor Environments. <i>Journal of Imaging</i> , 2021, 7, 42.	1.7	17
456	Applying Blockchain Technology to Secure Object Detection Data. , 2021, , .		2
457	Traffic-light sign recognition using capsule network. <i>Multimedia Tools and Applications</i> , 2021, 80, 15161-15171.	2.6	17

#	ARTICLE	IF	CITATIONS
458	Transfer Learning in Breast Cancer Diagnoses via Ultrasound Imaging. <i>Cancers</i> , 2021, 13, 738.	1.7	79
459	Interactive Visual Study of Multiple Attributes Learning Model of X-Ray Scattering Images. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021, 27, 1312-1321.	2.9	5
460	A Framework to Identify Allergen and Nutrient Content in Fruits and Packaged Food using Deep Learning and OCR. , 2021, , .		2
461	A Novel Region of Interest for Selective Color Image Encryption Technique based on New Combination between GLCM Texture Features. , 2021, , .		1
462	Novel method for detection of mixed-type defect patterns in wafer maps based on a single shot detector algorithm. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 1715-1724.	4.4	16
463	A New Real-Time Detection and Tracking Method in Videos for Small Target Traffic Signs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3061.	1.3	17
464	Identifying the Mating Posture of Cattle Using Deep Learning-Based Object Detection with Networks of Various Settings. <i>Journal of Electrical Engineering and Technology</i> , 2021, 16, 1685-1692.	1.2	7
465	Automatic detection of seafloor marine litter using towed camera images and deep learning. <i>Marine Pollution Bulletin</i> , 2021, 164, 111974.	2.3	38
466	Lesion-Based Bone Metastasis Detection in Chest Bone Scintigraphy Images of Prostate Cancer Patients Using Pre-Train, Negative Mining, and Deep Learning. <i>Diagnostics</i> , 2021, 11, 518.	1.3	27
467	A deep learning approach for anthracnose infected trees classification in walnut orchards. <i>Computers and Electronics in Agriculture</i> , 2021, 182, 105998.	3.7	37
468	Lineâ€“Circleâ€“Square (LCS): A multilayered geometric filter for edge-based detection. <i>Robotics and Autonomous Systems</i> , 2021, 137, 103732.	3.0	2
469	A motion parameters estimating method based on deep learning for visual blurred object tracking. <i>IET Image Processing</i> , 2021, 15, 2213-2226.	1.4	1
470	Methods for pattern detection based on colour and size features in video streams. <i>Journal of Physics: Conference Series</i> , 2021, 1843, 012009.	0.3	0
471	A high-precision detection method of hydroponic lettuce seedlings status based on improved Faster RCNN. <i>Computers and Electronics in Agriculture</i> , 2021, 182, 106054.	3.7	63
472	Polarimetric HRRP Recognition Based on ConvLSTM With Self-Attention. <i>IEEE Sensors Journal</i> , 2021, 21, 7884-7898.	2.4	22
473	Deep learning in electron microscopy. <i>Machine Learning: Science and Technology</i> , 2021, 2, 011004.	2.4	50
474	WBC-Net: A white blood cell segmentation network based on UNet++ and ResNet. <i>Applied Soft Computing Journal</i> , 2021, 101, 107006.	4.1	60
475	Interaction between image and text during the process of biblical art reception. <i>Journal of Eye Movement Research</i> , 2020, 13, .	0.5	0

#	ARTICLE	IF	CITATIONS
476	Facilitated Deep Learning Models for Image Captioning. , 2021, , .		8
477	Reinforcement learning methods based on GPU accelerated industrial control hardware. Neural Computing and Applications, 2021, 33, 12191-12207.	3.2	2
478	Vision-Based Method Integrating Deep Learning Detection for Tracking Multiple Construction Machines. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	49
479	A Review on Object Detection Algorithms for Ship Detection. , 2021, , .		2
480	Advances in Deep Learning Methods for Visual Tracking: Literature Review and Fundamentals. International Journal of Automation and Computing, 2021, 18, 311-333.	4.5	12
481	A Review of the Impacts of Defogging on Deep Learning-Based Object Detectors in Self-Driving Cars. , 2021, , .		7
482	Hazard Detection in Driving Simulation using Deep Learning. , 2021, , .		0
483	Online variational inference on finite multivariate Beta mixture models for medical applications. IET Image Processing, 2021, 15, 1869-1882.	1.4	14
484	Image Enhancement Driven by Object Characteristics and Dense Feature Reuse Network for Ship Target Detection in Remote Sensing Imagery. Remote Sensing, 2021, 13, 1327.	1.8	33
485	Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. Journal of Big Data, 2021, 8, 53.	6.9	2,200
486	An Oil Well Dataset Derived from Satellite-Based Remote Sensing. Remote Sensing, 2021, 13, 1132.	1.8	19
487	Significantly improving human detection in low-resolution images by retraining YOLOv3. , 2021, , .		1
488	Efficient Classification of Diabetic Retinopathy using Binary CNN. , 2021, , .		13
489	Deep-learning-based nanowire detection in AFM images for automated nanomanipulation. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, .	1.7	17
490	Hardware implementation of radial-basis neural networks with Gaussian activation functions on FPGA. Neural Computing and Applications, 2021, 33, 9467-9479.	3.2	22
491	Converging Robotic Technologies in Targeted Neural Rehabilitation: A Review of Emerging Solutions and Challenges. Sensors, 2021, 21, 2084.	2.1	37
492	FastUAV-NET: A Multi-UAV Detection Algorithm for Embedded Platforms. Electronics (Switzerland), 2021, 10, 724.	1.8	24
493	The fundamental principles of reproducibility. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200210.	1.6	17

#	ARTICLE	IF	CITATIONS
494	Advanced Automatic Target Recognition (ATR) with Infrared (IR) Sensors. , 2021, , .		7
495	Why Is Deep Learning Challenging for Printed Circuit Board (PCB) Component Recognition and How Can We Address It?. Cryptography, 2021, 5, 9.	1.4	19
496	Smart healthcare system-a brain-like computing approach for analyzing the performance of detectron2 and PoseNet models for anomalous action detection in aged people with movement impairments. Complex & Intelligent Systems, 2022, 8, 3021-3040.	4.0	17
497	A Review: Object Detection Models. , 2021, , .		18
498	A Practice for Object Detection Using YOLO Algorithm. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2021, , 268-272.	0.2	10
499	The Application of Yolov4 And A New Pedestrian Clustering Algorithm to Implement Social Distance Monitoring During The COVID-19 Pandemic. Journal of Physics: Conference Series, 2021, 1865, 042019.	0.3	5
500	Identifying Habitat Elements from Bird Images Using Deep Convolutional Neural Networks. Animals, 2021, 11, 1263.	1.0	5
501	The UMA-SAR Dataset: Multimodal data collection from a ground vehicle during outdoor disaster response training exercises. International Journal of Robotics Research, 2021, 40, 835-847.	5.8	10
502	Quantifying Nanoparticle Assembly States in a Polymer Matrix through Deep Learning. Macromolecules, 2021, 54, 3034-3040.	2.2	9
503	Vision-based autonomous bolt-looseness detection method for splice connections: Design, lab-scale evaluation, and field application. Automation in Construction, 2021, 124, 103591.	4.8	46
504	Multiple object tracking: A literature review. Artificial Intelligence, 2021, 293, 103448.	3.9	323
505	SeeCucumbers: Using Deep Learning and Drone Imagery to Detect Sea Cucumbers on Coral Reef Flats. Drones, 2021, 5, 28.	2.7	16
506	Multiple Target Detection For OFDM Radar Based On Convolutional Neural Network. Turkish Journal of Computer and Mathematics Education, 2021, 12, 544-550.	0.4	0
507	Unsupervised Multi-Level Feature Extraction for Improvement of Hyperspectral Classification. Remote Sensing, 2021, 13, 1602.	1.8	7
508	Aluminum Casting Inspection using Deep Object Detection Methods and Simulated Ellipsoidal Defects. Machine Vision and Applications, 2021, 32, 1.	1.7	19
509	Social Distancing Detection and Analysis through Computer Vision. , 2021, , .		9
510	Fresh Tea Sprouts Detection via Image Enhancement and Fusion SSD. Journal of Control Science and Engineering, 2021, 2021, 1-11.	0.8	6
511	Automatic detection of oil palm fruits from UAV images using an improved YOLO model. Visual Computer, 2022, 38, 2341-2355.	2.5	41

#	ARTICLE	IF	CITATIONS
512	Salient object detection based on adaptive recalibration technique through deep network. International Journal of Speech Technology, 2022, 25, 595-604.	1.4	1
513	Beyond Tolerance Factor: Using Deep Learning for Prediction Formability of ABX3 Perovskite Structures. Advanced Theory and Simulations, 2021, 4, 2100021.	1.3	5
514	GateRL: Automated Circuit Design Framework of CMOS Logic Gates Using Reinforcement Learning. Electronics (Switzerland), 2021, 10, 1032.	1.8	3
515	Coconut trees detection and segmentation in aerial imagery using mask region-based convolution neural network. IET Computer Vision, 2021, 15, 428-439.	1.3	20
516	Real-Time Face Mask Detection Method Based on YOLOv3. Electronics (Switzerland), 2021, 10, 837.	1.8	94
517	Contactless System with Mask and Temperature Detection. International Journal of Advanced Research in Science, Communication and Technology, 0, , 10-18.	0.0	0
518	Application of Deep Learning and Unmanned Aerial Vehicle on Building Maintenance. Advances in Civil Engineering, 2021, 2021, 1-12.	0.4	10
519	Geometric Change Detection in Digital Twins. Digital, 2021, 1, 111-129.	1.1	6
520	Deep learning in multi-object detection and tracking: state of the art. Applied Intelligence, 2021, 51, 6400-6429.	3.3	120
521	Deep Learning Object Detection Techniques for Thin Objects in Computer Vision: An Experimental Investigation. , 2021, , .		5
522	Smart dispatching and optimal elevator group control through real-time occupancy-aware deep learning of usage patterns. Advanced Engineering Informatics, 2021, 48, 101286.	4.0	10
523	Deep CNN and Deep GAN in Computational Visual Perception-Driven Image Analysis. Complexity, 2021, 2021, 1-30.	0.9	36
524	Driver behavior detection via adaptive spatial attention mechanism. Advanced Engineering Informatics, 2021, 48, 101280.	4.0	27
525	Understanding Natural Disaster Scenes from Mobile Images Using Deep Learning. Applied Sciences (Switzerland), 2021, 11, 3952.	1.3	5
526	Object Detection Combining CNN and Adaptive Color Prior Features. Sensors, 2021, 21, 2796.	2.1	6
527	Machine learning applied to X-ray tomography as a new tool to analyze the voids in RRP Nb3Sn wires. Scientific Reports, 2021, 11, 7767.	1.6	11
528	A Simultaneous Multi-Object Zooming System Using an Ultrafast Pan-Tilt Camera. IEEE Sensors Journal, 2021, 21, 9436-9448.	2.4	17
529	Object Detection Using Deep Learning Methods in Traffic Scenarios. ACM Computing Surveys, 2022, 54, 1-35.	16.1	38

#	ARTICLE	IF	CITATIONS
530	Yolov4FaceMask: COVID-19 Mask Detector. , 2021, , .		7
531	Meta joint optimization: a holistic framework for noisy-labeled visual recognition. Applied Intelligence, 0, , 1.	3.3	1
532	Research on the process of small sample non-ferrous metal recognition and separation based on deep learning. Waste Management, 2021, 126, 266-273.	3.7	10
533	An Automated Mammals Detection Based on SSD-Mobile Net. Journal of Physics: Conference Series, 2021, 1879, 022086.	0.3	2
534	Immersive Learning Aid for Children with Autism(ASD) using Object Recognition. , 2021, , .		2
535	Analysis of TDR Signals with Convolutional Neural Networks. , 2021, , .		7
536	Augmented Reality Maintenance Assistant Using YOLOv5. Applied Sciences (Switzerland), 2021, 11, 4758.	1.3	68
537	Real-time railroad track components inspection based on the improved YOLOv4 framework. Automation in Construction, 2021, 125, 103596.	4.8	80
538	Automatic Detection of Mandibular Fractures in Panoramic Radiographs Using Deep Learning. Diagnostics, 2021, 11, 933.	1.3	22
539	Segmentation of Liver Anatomy by Combining 3D U-Net Approaches. Applied Sciences (Switzerland), 2021, 11, 4895.	1.3	9
540	Enhancement of Speed and Accuracy Trade-Off for Sports Ball Detection in Videosâ€”Finding Fast Moving, Small Objects in Real Time. Sensors, 2021, 21, 3214.	2.1	10
541	Application of Deep Learning for Weapons Detection in Surveillance Videos. , 2021, , .		15
542	Evaluating the Single-Shot MultiBox Detector and YOLO Deep Learning Models for the Detection of Tomatoes in a Greenhouse. Sensors, 2021, 21, 3569.	2.1	72
543	MIMONet: Structured-light 3D shape reconstruction by a multi-input multi-output network. Applied Optics, 2021, 60, 5134.	0.9	12
544	FPGA Implementation of Object Detection Accelerator Based on Vitis-AI. , 2021, , .		24
545	Low-Cost Embedded System Using Convolutional Neural Networks-Based Spatiotemporal Feature Map for Real-Time Human Action Recognition. Applied Sciences (Switzerland), 2021, 11, 4940.	1.3	5
546	Deep Learning Based Object Detection Combined with Internet of Things for Remote Surveillance. Wireless Personal Communications, 2021, 118, 2121-2140.	1.8	8
547	An Efficient and Accurate Iris Recognition Algorithm Based on a Novel Condensed 2-ch Deep Convolutional Neural Network. Sensors, 2021, 21, 3721.	2.1	12

#	ARTICLE	IF	CITATIONS
548	Instance Segmentation for Direct Measurements of Satellites in Metal Powders and Automated Microstructural Characterization from Image Data. <i>Jom</i> , 2021, 73, 2159-2172.	0.9	19
549	Accelerating deep neural networks for efficient scene understanding in automotive cyber-physical systems. , 2021, , .		8
550	“Know What You Know” Predicting Behavior for Learning-Enabled Systems When Facing Uncertainty. , 2021, , .		8
551	Role of machine learning in medical research: A survey. <i>Computer Science Review</i> , 2021, 40, 100370.	10.2	78
552	The development of skin lesion detection application in smart handheld devices using deep neural networks. <i>Multimedia Tools and Applications</i> , 2022, 81, 41579-41610.	2.6	5
553	State of the Art in Defect Detection Based on Machine Vision. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 661-691.	2.7	180
554	A survey on deep learning and its applications. <i>Computer Science Review</i> , 2021, 40, 100379.	10.2	502
555	Deep autoencoder based energy method for the bending, vibration, and buckling analysis of Kirchhoff plates with transfer learning. <i>European Journal of Mechanics, A/Solids</i> , 2021, 87, 104225.	2.1	188
556	Taxonomy, state-of-the-art, challenges and applications of visual understanding: A review. <i>Computer Science Review</i> , 2021, 40, 100374.	10.2	13
557	Invisible for both Camera and LiDAR: Security of Multi-Sensor Fusion based Perception in Autonomous Driving Under Physical-World Attacks. , 2021, , .		58
558	A Novel Energy Aware Secure Internet of Drones Design: ESloD. , 2021, , .		3
559	Joint 2D Object Detection and 3D Reconstruction via Adversarial Fusion Mesh R-CNN. , 2021, , .		2
560	Orchard Mapping with Deep Learning Semantic Segmentation. <i>Sensors</i> , 2021, 21, 3813.	2.1	27
561	Bone Metastasis Detection in the Chest and Pelvis from a Whole-Body Bone Scan Using Deep Learning and a Small Dataset. <i>Electronics (Switzerland)</i> , 2021, 10, 1201.	1.8	20
562	Semantic Segmentation of Cabbage in the South Korea Highlands with Images by Unmanned Aerial Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4493.	1.3	4
563	Recent Progress and Trend of Robot Odor Source Localization. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2021, 16, 938-953.	0.8	44
564	Neural Networks for Semantic Gaze Analysis in XR Settings. , 2021, , .		1
565	Machine Learning Approach to Real-Time 3D Path Planning for Autonomous Navigation of Unmanned Aerial Vehicle. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4706.	1.3	20



#	ARTICLE	IF	CITATIONS
566	Automatic crack classification and segmentation on masonry surfaces using convolutional neural networks and transfer learning. Automation in Construction, 2021, 125, 103606.	4.8	155
567	Heterogeneous computing model for post-injury walking pattern restoration and postural stability rehabilitation exercise recognition. Expert Systems, 2022, 39, e12706.	2.9	28
568	Comparative analysis of deep learning image detection algorithms. Journal of Big Data, 2021, 8, .	6.9	127
569	Tree Localization and Monitoring on Autonomous Drones employing Deep Learning. , 2021, , .		3
570	Estimating Player Positions from Padel High-Angle Videos: Accuracy Comparison of Recent Computer Vision Methods. Sensors, 2021, 21, 3368.	2.1	5
571	CNN-based Person Recognition System for Masked Faces in a post-pandemic world. , 2021, , .		1
572	Importance of different facial parts for face detection networks. , 2021, , .		11
573	A deep convolutional neural network to simultaneously localize and recognize waste types in images. Waste Management, 2021, 126, 247-257.	3.7	38
574	State-of-Charge Estimation of Li-ion Battery Using Gated Recurrent Unit With One-Cycle Learning Rate Policy. IEEE Transactions on Industry Applications, 2021, 57, 2964-2971.	3.3	28
575	Semantics-to-Signal Scalable Image Compression with Learned Reversible Representations. International Journal of Computer Vision, 2021, 129, 2605-2621.	10.9	21
576	Automatic Hip Detection in Anteroposterior Pelvic Radiographs – A Labelless Practical Framework. Journal of Personalized Medicine, 2021, 11, 522.	1.1	10
577	Alleviation of COVID by means of Social Distancing & Face Mask Detection Using YOLO V4. , 2021, , .		5
578	SafeSO: Interpretable and Explainable Deep Learning Approach for Seat Occupancy Classification in Vehicle Interior. , 2021, , .		6
579	Towards end-to-end car license plate location and recognition in unconstrained scenarios. Neural Computing and Applications, 2022, 34, 21551-21566.	3.2	20
580	Automated and robust organ segmentation for 3D-based internal dose calculation. EJNMMI Research, 2021, 11, 53.	1.1	8
581	HELP: An LSTM-based approach to hyperparameter exploration in neural network learning. Neurocomputing, 2021, 442, 161-172.	3.5	19
582	Automatic Visual Attention Detection for Mobile Eye Tracking Using Pre-Trained Computer Vision Models and Human Gaze. Sensors, 2021, 21, 4143.	2.1	7
583	RingCNN: Exploiting Algebraically-Sparse Ring Tensors for Energy-Efficient CNN-Based Computational Imaging. , 2021, , .		8

#	ARTICLE	IF	CITATIONS
584	Modular Neural Networks with Fully Convolutional Networks for Typhoon-Induced Short-Term Rainfall Predictions. <i>Sensors</i> , 2021, 21, 4200.	2.1	8
585	Detecting and Localizing Objects on an Unmanned Aerial System (UAS) Integrated with a Mobile Device. , 2021, , .		3
586	AI applications in renal pathology. <i>Kidney International</i> , 2021, 99, 1309-1320.	2.6	42
588	Understanding the Impact of Neural Variations and Random Connections on Inference. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 612937.	1.2	1
589	Reference-free video-to-real distance approximation-based urban social distancing analytics amid COVID-19 pandemic. <i>Journal of Transport and Health</i> , 2021, 21, 101032.	1.1	20
590	Estimating pose from pressure data for smart beds with deep image-based pose estimators. <i>Applied Intelligence</i> , 2022, 52, 2119-2133.	3.3	3
591	A CNN Prediction Method for Belt Grinding Tool Wear in a Polishing Process Utilizing 3-Axes Force and Vibration Data. <i>Electronics (Switzerland)</i> , 2021, 10, 1429.	1.8	13
592	Battery-Less Face Recognition at the Extreme Edge. , 2021, , .		3
593	DeepDarts: Modeling Keypoints as Objects for Automatic Scorekeeping in Darts using a Single Camera. , 2021, , .		4
594	Anthropogenic litter density and composition data acquired flying commercial drones on sandy beaches along the Saudi Arabian RedÁSea. <i>Data in Brief</i> , 2021, 36, 107056.	0.5	2
595	Deep domain adaptation with ordinal regression for pain assessment using weakly-labeled videos. <i>Image and Vision Computing</i> , 2021, 110, 104167.	2.7	8
596	A survey and performance evaluation of deep learning methods for small object detection. <i>Expert Systems With Applications</i> , 2021, 172, 114602.	4.4	225
597	In-Field Automatic Detection of Grape Bunches under a Totally Uncontrolled Environment. <i>Sensors</i> , 2021, 21, 3908.	2.1	17
598	Query-By-Object Based Video Synopsis. , 2021, , .		2
599	Smart Dustbin Using LoRa And Tensorflow Network. , 2021, , .		1
600	Automated Detection and Classification of Oral Lesions Using Deep Learning to Detect Oral Potentially Malignant Disorders. <i>Cancers</i> , 2021, 13, 2766.	1.7	51
601	UAV Detection with Transfer Learning from Simulated Data of Laser Active Imaging. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5182.	1.3	2
602	Improving Performance of Seismic Fault Detection by Fine-Tuning the Convolutional Neural Network Pre-Trained with Synthetic Samples. <i>Energies</i> , 2021, 14, 3650.	1.6	13

#	ARTICLE	IF	CITATIONS
603	Do Humans and Deep Convolutional Neural Networks Use Visual Information Similarly for the Categorization of Natural Scenes?. Cognitive Science, 2021, 45, e13009.	0.8	7
604	CeCILE - An Artificial Intelligence Based Cell-Detection for the Evaluation of Radiation Effects in Eucaryotic Cells. Frontiers in Oncology, 2021, 11, 688333.	1.3	3
605	CRACK DETECTION FROM EXTERNAL WALLS OF NATURAL STONES USING DEEP CONVOLUTIONAL NEURAL NETWORK. AIJ Journal of Technology and Design, 2021, 27, 1086-1091.	0.1	1
606	Multi-scale defect detection of printed circuit board based on feature pyramid network. , 2021, , .		12
607	An Improved Object Detection Method using Feature Map Refinement and Anchor Optimization. International Journal of Circuits, Systems and Signal Processing, 2021, 15, 541-549.	0.2	0
608	Towards human distance estimation using a thermal sensor array. Neural Computing and Applications, 2023, 35, 23357-23367.	3.2	7
609	ScanEV " A neural network-based tool for the automated detection of extracellular vesicles in TEM images. Micron, 2021, 145, 103044.	1.1	13
610	Road Characteristics Detection Based on Joint Convolutional Neural Networks with Adaptive Squares. ISPRS International Journal of Geo-Information, 2021, 10, 377.	1.4	8
611	Mid-Layer Visualization in Convolutional Neural Network for Microstructural Images of Cast Irons. Journal of Korean Institute of Metals and Materials, 2021, 59, 430-438.	0.4	4
612	Application of Deep Learning Networks to Segmentation of Surface of Railway Tracks. Sensors, 2021, 21, 4065.	2.1	4
613	Assessment of Deep Learning Techniques for Land Use Land Cover Classification in Southern New Caledonia. Remote Sensing, 2021, 13, 2257.	1.8	31
614	Concept Towards Segmenting Arm Areas for Robot-Based Dermatological In Vivo Measurements. TH Wildau Engineering and Natural Sciences Proceedings, 0, 1, .	0.0	0
615	Recognition of JSL fingerspelling using Deep Convolutional Neural Networks. Neurocomputing, 2021, 456, 586-598.	3.5	6
616	Small aircraft detection using deep learning. Aircraft Engineering and Aerospace Technology, 2021, 93, 671-681.	0.7	10
617	Deep quaternion Fourier transform for salient object detection. Journal of Intelligent and Fuzzy Systems, 2021, 40, 11331-11340.	0.8	1
618	Automatic Handgun Detection with Deep Learning in Video Surveillance Images. Applied Sciences (Switzerland), 2021, 11, 6085.	1.3	17
619	Multiscale object detection in high-resolution remote sensing images via rotation invariant deep features driven by channel attention. International Journal of Remote Sensing, 2021, 42, 5764-5783.	1.3	14
620	Fully automated Assessment of Knee Alignment from Full-Leg X-Rays employing a "YOLOv4 And Resnet Landmark regression Algorithm"(YARLA): Data from the Osteoarthritis Initiative. Computer Methods and Programs in Biomedicine, 2021, 205, 106080.	2.6	30

#	ARTICLE	IF	CITATIONS
621	Global Optimization of the Hydraulic-Electromagnetic Energy-Harvesting Shock Absorber for Road Vehicles With Human-Knowledge-Integrated Particle Swarm Optimization Scheme. IEEE/ASME Transactions on Mechatronics, 2021, 26, 1225-1235.	3.7	21
622	Machine Learning-Assisted Intelligent Imaging Flow Cytometry: A Review. Advanced Intelligent Systems, 2021, 3, 2100073.	3.3	24
623	Improved YOLOv3 model based on ResNeXt for target detection. , 2021, , .		2
624	Assessing the Impact of the Loss Function, Architecture and Image Type for Deep Learning-Based Wildfire Segmentation. Applied Sciences (Switzerland), 2021, 11, 7046.	1.3	10
625	Mask R-CNN Based C. Elegans Detection with a DIY Microscope. Biosensors, 2021, 11, 257.	2.3	20
626	Parallel Vision and Learning for Intelligent Perception in Smart Driving. , 2021, , .		1
627	Target Detection in Rural River Image Based on Yolo V5 Model with the Cross-Stitch Unit. , 2021, , .		1
628	Acne Type Recognition for Mobile-Based Application Using YOLO. Journal of Physics: Conference Series, 2021, 1962, 012041.	0.3	1
629	Segmentation of municipal solid waste using artificial neural networks. IOP Conference Series: Earth and Environmental Science, 2021, 815, 012010.	0.2	0
631	A Lightweight Object Detection Framework. , 2021, , .		0
632	Multiclass wound image classification using an ensemble deep CNN-based classifier. Computers in Biology and Medicine, 2021, 134, 104536.	3.9	44
633	On the Performance Improvements of Deep Learning Methods for Audio Event Detection and Classification. , 2021, , .		3
634	The PAU survey: estimating galaxy photometry with deep learning. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4048-4069.	1.6	12
635	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	4.7	170
636	Deep Learning with Neuroimaging and Genomics in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 7911.	1.8	26
637	Deep Learning for the Detection and Recognition of Rail Defects in Ultrasound B-Scan Images. Transportation Research Record, 2021, 2675, 888-901.	1.0	19
638	Approximate Analysis of Deviant Behavior on Social Media. Lecture Notes in Networks and Systems, 2022, , 539-547.	0.5	4
639	é¥æ,,ÿâ>¼4âf é...â††âçš,,ç¼æ™æ±†èšæ-1æ³. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2021, , 0.3		1

#	ARTICLE	IF	CITATIONS
640	Artificial intelligence in the creative industries: a review. <i>Artificial Intelligence Review</i> , 2022, 55, 589-656.	9.7	82
641	A BERT model generates diagnostically relevant semantic embeddings from pathology synopses with active learning. <i>Communications Medicine</i> , 2021, 1, .	1.9	6
642	Describing images using fuzzy mutual position matrix and saliency-based ordering of predicates. , 2021, , .		2
643	Deblur-YOLO: Real-Time Object Detection with Efficient Blind Motion Deblurring. , 2021, , .		9
644	Automated stomata detection in oil palm with convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 15210.	1.6	7
645	Comparative Analysis of Convolutional Neural Network Architectures for Real Time COVID-19 Facial Mask Detection. <i>Journal of Physics: Conference Series</i> , 2021, 1969, 012037.	0.3	3
646	The Design of Preventive Automated Driving Systems Based on Convolutional Neural Network. <i>Electronics (Switzerland)</i> , 2021, 10, 1737.	1.8	6
647	Research on Location of Chinese Handwritten Signature Based on EfficientDet. , 2021, , .		1
648	Symmetric Triangle Network for Object Detection Within X-ray Baggage Security Imagery. , 2021, , .		0
649	RipDet: A Fast and Lightweight Deep Neural Network for Rip Currents Detection. , 2021, , .		2
650	Target Tracking and Following from a Multicopter UAV. <i>Current Robotics Reports</i> , 2021, 2, 285-295.	5.1	3
651	Optimized MobileNetâ€™s+â€™SSD: a real-time pedestrian detection on a low-end edge device. <i>International Journal of Multimedia Information Retrieval</i> , 2021, 10, 171-184.	3.6	18
652	A Vision-Based Social Distancing and Critical Density Detection System for COVID-19. <i>Sensors</i> , 2021, 21, 4608.	2.1	96
653	A Deep Learning-based Dengue Mosquito Detection Method Using Faster R-CNN and Image Processing Techniques. <i>Annals of Emerging Technologies in Computing</i> , 2021, 5, 11-23.	1.0	7
654	Minimizing Inference Time: Optimization Methods for Converted Deep Spiking Neural Networks. , 2021, , .		4
655	AGWO: Advanced GWO in multi-layer perception optimization. <i>Expert Systems With Applications</i> , 2021, 173, 114676.	4.4	25
656	Text Recognition by Air Drawing. , 2021, , .		1
657	Wheat Awns Detection. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
658	Computer vision-based interior construction progress monitoring: A literature review and future research directions. <i>Automation in Construction</i> , 2021, 127, 103705.	4.8	65
659	Ensemble Online Sequential Extreme Learning Machine for Air Quality Prediction. , 2021, , .		0
660	PIG Tracking Utilizing Fiber Optic Distributed Vibration Sensor and YOLO. <i>Journal of Lightwave Technology</i> , 2021, 39, 4535-4541.	2.7	19
662	3D Super-resolution Optical Imaging Using Deep Image Prior. , 2021, , .		0
663	A Comprehensive Review on Deep Learning Algorithms and its Applications. , 2021, , .		3
664	Pests & weed control autonomous robot using machine vision. , 2021, , .		2
665	CARLA: A Convolution Accelerator With a Reconfigurable and Low-Energy Architecture. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 3184-3196.	3.5	7
667	On the safety of vulnerable road users by cyclist detection and tracking. <i>Machine Vision and Applications</i> , 2021, 32, 1.	1.7	5
668	LiDAR + Camera Sensor Data Fusion On Mobiles With AI-based Virtual Sensors To Provide Situational Awareness For The Visually Impaired. , 2021, , .		8
669	Prediction of groundwater quality using efficient machine learning technique. <i>Chemosphere</i> , 2021, 276, 130265.	4.2	135
671	Vehicle Detection in Aerial Imaginary using a Miniature CNN Architecture. , 2021, , .		3
672	An Evaluation of YOLO-Based Algorithms for Hand Detection in the Kitchen. , 2021, , .		2
673	Direct and Indirect vSLAM Fusion for Augmented Reality. <i>Journal of Imaging</i> , 2021, 7, 141.	1.7	3
674	Enhancing object detection for autonomous driving by optimizing anchor generation and addressing class imbalance. <i>Neurocomputing</i> , 2021, 449, 229-244.	3.5	29
675	Outdoor Mobile Mapping and AI-Based 3D Object Detection with Low-Cost RGB-D Cameras: The Use Case of On-Street Parking Statistics. <i>Remote Sensing</i> , 2021, 13, 3099.	1.8	12
676	Deep learning for chest X-ray analysis: A survey. <i>Medical Image Analysis</i> , 2021, 72, 102125.	7.0	196
677	Eco-CMB: A Hardware-Accelerated Band-Power Feature Extractor for Tactile Embedded Systems. , 2021, , .		1
678	UtilizaÃ§Ã£o da transferÃªncia de aprendizado no detector de objetos para regiÃµes da face humana em imagens termogrÃ¡ficas de barreiras sanitÃ¡rias [Not available in English]. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
679	Real-time CVSA decals recognition system using deep convolutional neural network architectures. IET Intelligent Transport Systems, 2021, 15, 1359.	1.7	2
680	Breast mass classification with transfer learning based on scaling of deep representations. Biomedical Signal Processing and Control, 2021, 69, 102828.	3.5	39
681	Fast and Accurate Object Detection in Remote Sensing Images Based on Lightweight Deep Neural Network. Sensors, 2021, 21, 5460.	2.1	16
682	Safe distance reminder system on ship against port for the standing process using image processing. IOP Conference Series: Materials Science and Engineering, 2021, 1175, 012010.	0.3	1
683	An Adaptive Video Acquisition Scheme for Object Tracking and Its Performance Optimization. IEEE Sensors Journal, 2021, 21, 17227-17243.	2.4	3
684	Cascade Network with Deformable Composite Backbone for Formula Detection in Scanned Document Images. Applied Sciences (Switzerland), 2021, 11, 7610.	1.3	10
685	Multi-Oriented License Plate Detection Based On Convolutional Neural Networks. , 2021, , .		0
686	MSB R-CNN: A Multi-Stage Balanced Defect Detection Network. Electronics (Switzerland), 2021, 10, 1924.	1.8	6
687	On the Effectiveness of Leukocytes Classification Methods in a Real Application Scenario. AI, 2021, 2, 394-412.	2.1	7
688	A surrogate model with data augmentation and deep transfer learning for temperature field prediction of heat source layout. Structural and Multidisciplinary Optimization, 2021, 64, 2287-2306.	1.7	20
689	Learning from Scarce Information: Using Synthetic Data to Classify Roman Fine Ware Pottery. Entropy, 2021, 23, 1140.	1.1	1
690	A Transfer Learning Approach for Indoor Object Identification. SN Computer Science, 2021, 2, 1.	2.3	4
691	A systematic survey of deep learning in breast cancer. International Journal of Intelligent Systems, 2022, 37, 152-216.	3.3	29
692	Cascade and Fusion: A Deep Learning Approach for Camouflaged Object Sensing. Sensors, 2021, 21, 5455.	2.1	10
693	FastAER Det: Fast Aerial Embedded Real-Time Detection. Remote Sensing, 2021, 13, 3088.	1.8	6
694	Automatic classification and detection of oral cancer in photographic images using deep learning algorithms. Journal of Oral Pathology and Medicine, 2021, 50, 911-918.	1.4	49
695	Edge Intelligence for Object Detection in Blockchain-Based Internet of Vehicles: Convergence of Symbolic and Connectionist AI. IEEE Wireless Communications, 2021, 28, 49-55.	6.6	17
696	Computer Vision-Based Construction Process Sensing for Cyber-Physical Systems: A Review. Sensors, 2021, 21, 5468.	2.1	5

#	ARTICLE	IF	CITATIONS
697	Multispecies detection and identification of African mammals in aerial imagery using convolutional neural networks. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 166-179.	2.2	16
698	An Alternative Approach for Thai Automatic Speech Recognition Based on the CNN-based Keyword Spotting with Real-World Application. <i>Advances in Science, Technology and Engineering Systems</i> , 2021, 6, 278-291.	0.4	0
699	Underwater Animal Detection Using YOLOV4. , 2021, , .		7
700	Lumbar Disc Herniation Automatic Detection in Magnetic Resonance Imaging Based on Deep Learning. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 708137.	2.0	25
701	HSV Color-Space-Based Automated Object Localization for Robot Grasping without Prior Knowledge. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7593.	1.3	10
702	The State of Lifelong Learning in Service Robots:. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 103, 1.	2.0	9
703	A prediction and imputation method for marine animal movement data. <i>PeerJ Computer Science</i> , 2021, 7, e656.	2.7	3
704	Multiscale IOU: A Metric for Evaluation of Salient Object Detection with Fine Structures. , 2021, , .		5
705	Patterns of urban foot traffic dynamics. <i>Computers, Environment and Urban Systems</i> , 2021, 89, 101674.	3.3	3
706	Spatio-temporal continuous gesture recognition under degraded environments: performance comparison between 3D integral imaging (InIm) and RGB-D sensors. <i>Optics Express</i> , 2021, 29, 30937.	1.7	7
707	Data-Driven Object Pose Estimation in a Practical Bin-Picking Application. <i>Sensors</i> , 2021, 21, 6093.	2.1	7
708	Study on artificial intelligence: The state of the art and future prospects. <i>Journal of Industrial Information Integration</i> , 2021, 23, 100224.	4.3	218
709	Applying colour-based feature extraction and transfer learning to develop a high throughput inference system for potato ( <i>Solanum tuberosum</i> L.) stems with images from unmanned aerial vehicles after canopy consolidation. <i>Precision Agriculture</i> , 2022, 23, 643-669.	3.1	6
710	Comparing Interpretation of High-Resolution Aerial Imagery by Humans and Artificial Intelligence to Detect an Invasive Tree Species. <i>Remote Sensing</i> , 2021, 13, 3503.	1.8	2
711	The implementation of intelligent systems in automating vehicle detection on the road. <i>IAES International Journal of Artificial Intelligence</i> , 2021, 10, 571.	0.6	2
712	Low-Cost Portable System to Support People with Visual Disabilities. <i>Lecture Notes in Networks and Systems</i> , 2022, , 954-960.	0.5	0
713	Wildfire Segmentation Using Deep Vision Transformers. <i>Remote Sensing</i> , 2021, 13, 3527.	1.8	48
714	Real-time polyp detection model using convolutional neural networks. <i>Neural Computing and Applications</i> , 2022, 34, 10375-10396.	3.2	29



#	ARTICLE	IF	CITATIONS
715	Survey on Novelty Detection using Machine Learning Techniques. Advances in Science, Technology and Engineering Systems, 2021, 6, 73-82.	0.4	0
716	A topic-based multi-channel attention model under hybrid mode for image caption. Neural Computing and Applications, 2022, 34, 2207-2216.	3.2	7
717	Feedback-based object detection for multi-person pose estimation. Signal Processing: Image Communication, 2021, 99, 116508.	1.8	2
718	Deep learning based classification of unsegmented phonocardiogram spectrograms leveraging transfer learning. Physiological Measurement, 2021, 42, 095003.	1.2	25
719	An Advanced SAR Image Despeckling Method by Bernoulli-Sampling-Based Self-Supervised Deep Learning. Remote Sensing, 2021, 13, 3636.	1.8	7
720	Human flow recognition using deep networks and vision methods. Engineering Applications of Artificial Intelligence, 2021, 104, 104346.	4.3	2
721	Improving Classification Accuracy With Graph Filtering. , 2021, , .		0
722	YOLOv4-Based Monitoring Model for COVID-19 Social Distancing Control. Smart Innovation, Systems and Technologies, 2022, , 333-346.	0.5	1
723	HybridTabNet: Towards Better Table Detection in Scanned Document Images. Applied Sciences (Switzerland), 2021, 11, 8396.	1.3	16
724	Classification of the Trap-Neuter-Return Surgery Images of Stray Animals Using Yolo-Based Deep Learning Integrated with a Majority Voting System. Applied Sciences (Switzerland), 2021, 11, 8578.	1.3	2
725	Deep learning computer vision for robotic disassembly and servicing applications. Array, 2021, 12, 100094.	2.5	15
726	UAV detection in airborne optic videos using dilated convolutions. Journal of Optics (India), 2021, 50, 569-582.	0.8	5
727	Auxiliary Equipment Detection in Marine Engine Rooms Based on Deep Learning Model. Journal of Marine Science and Engineering, 2021, 9, 1006.	1.2	5
728	Detection and tracking for the awareness of surroundings of a ship based on deep learning. Journal of Computational Design and Engineering, 2021, 8, 1407-1430.	1.5	16
729	An enhanced CNN-enabled learning method for promoting ship detection in maritime surveillance system. Ocean Engineering, 2021, 235, 109435.	1.9	127
730	An internal-external optimized convolutional neural network for arbitrary orientated object detection from optical remote sensing images. Geo-Spatial Information Science, 2021, 24, 654-665.	2.4	6
731	A real-time vehicle detection and a novel vehicle tracking systems for estimating and monitoring traffic flow on highways. Advanced Engineering Informatics, 2021, 50, 101393.	4.0	51
732	Multispectral background subtraction with deep learning. Journal of Visual Communication and Image Representation, 2021, 80, 103267.	1.7	5

#	ARTICLE	IF	CITATIONS
733	Prediction of the fruit development stage of sweet pepper ( <i>Capsicum annum</i> var. <i>annuum</i> ) by an ensemble model of convolutional and multilayer perceptron. <i>Biosystems Engineering</i> , 2021, 210, 171-180.	1.9	12
734	A review on deep learning in UAV remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102456.	1.4	115
735	Probabilistic faster R-CNN with stochastic region proposing: Towards object detection and recognition in remote sensing imagery. <i>Neurocomputing</i> , 2021, 459, 290-301.	3.5	25
736	A novel image-based convolutional neural network approach for traffic congestion estimation. <i>Expert Systems With Applications</i> , 2021, 180, 115037.	4.4	17
737	A novel deep learning framework for double JPEG compression detection of small size blocks. <i>Journal of Visual Communication and Image Representation</i> , 2021, 80, 103269.	1.7	10
738	Coupled adversarial variational autoencoder. <i>Signal Processing: Image Communication</i> , 2021, 98, 116396.	1.8	3
739	Monitoring offshore oil pollution using multi-class convolutional neural networks. <i>Environmental Pollution</i> , 2021, 289, 117884.	3.7	20
740	A powerful image synthesis and semi-supervised learning pipeline for site-specific weed detection. <i>Computers and Electronics in Agriculture</i> , 2021, 190, 106423.	3.7	13
741	Multi defect detection and analysis of electron microscopy images with deep learning. <i>Computational Materials Science</i> , 2021, 199, 110576.	1.4	24
742	An advanced YOLOv3 method for small-scale road object detection. <i>Applied Soft Computing Journal</i> , 2021, 112, 107846.	4.1	23
743	Do not get fooled: Defense against the one-pixel attack to protect IoT-enabled Deep Learning systems. <i>Ad Hoc Networks</i> , 2021, 122, 102627.	3.4	7
744	Scalable object detection pipeline for traffic cameras: Application to TfL JamCams. <i>Expert Systems With Applications</i> , 2021, 182, 115154.	4.4	4
745	SLSNet: Skin lesion segmentation using a lightweight generative adversarial network. <i>Expert Systems With Applications</i> , 2021, 183, 115433.	4.4	36
746	Highway 4.0: Digitalization of highways for vulnerable road safety development with intelligent IoT sensors and machine learning. <i>Safety Science</i> , 2021, 143, 105407.	2.6	67
747	Identification and counting of Pacific oyster <i>Crassostrea gigas</i> larvae by object detection using deep learning. <i>Aquacultural Engineering</i> , 2021, 95, 102197.	1.4	9
748	HRCP : High-ratio channel pruning for real-time object detection on resource-limited platform. <i>Neurocomputing</i> , 2021, 463, 155-167.	3.5	8
749	Anomalous object detection by active search with PTZ cameras. <i>Expert Systems With Applications</i> , 2021, 181, 115150.	4.4	6
750	CTU depth decision algorithms for HEVC: A survey. <i>Signal Processing: Image Communication</i> , 2021, 99, 116442.	1.8	9

#	ARTICLE	IF	CITATIONS
751	A Federated Learning-Based License Plate Recognition Scheme for 5G-Enabled Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 8523-8530.	7.2	59
752	Applications of deep learning in stock market prediction: Recent progress. Expert Systems With Applications, 2021, 184, 115537.	4.4	238
753	Meta-learning based relation and representation learning networks for single-image deraining. Pattern Recognition, 2021, 120, 108124.	5.1	12
754	One-stage CNN detector-based benthonic organisms detection with limited training dataset. Neural Networks, 2021, 144, 247-259.	3.3	32
755	Leveraging optical and SAR data with a UU-Net for large-scale road extraction. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102498.	1.4	4
756	Unbox the black-box for the medical explainable AI via multi-modal and multi-centre data fusion: A mini-review, two showcases and beyond. Information Fusion, 2022, 77, 29-52.	11.7	280
757	Redundant Multi-Object Detection for Autonomous Vehicles in Structured Environments. Communications - Scientific Letters of the University of Zilina, 2022, 24, C1-C17.	0.3	1
758	Area and energy efficient shift and accumulator unit for object detection in IoT applications. AEJ - Alexandria Engineering Journal, 2022, 61, 795-809.	3.4	12
759	Transferable representation modelling for real-time energy management of the plug-in hybrid vehicle based on k-fold fuzzy learning and Gaussian process regression. Applied Energy, 2022, 305, 117853.	5.1	42
760	Detachable Second-Order Pooling: Toward High-Performance First-Order Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3400-3414.	7.2	1
761	Signal Processing for Contactless Monitoring. Intelligent Systems Reference Library, 2021, , 113-144.	1.0	0
762	Surrogate-Assisted Particle Swarm Optimization for Evolving Variable-Length Transferable Blocks for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3727-3740.	7.2	25
763	Achieving Online Regression Performance of LSTMs With Simple RNNs. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7632-7643.	7.2	2
764	Saliency prediction on omnidirectional images with attention-aware feature fusion network. Applied Intelligence, 2021, 51, 5344-5357.	3.3	1
765	Label-Free Robustness Estimation of Object Detection CNNs for Autonomous Driving Applications. International Journal of Computer Vision, 2021, 129, 1185-1201.	10.9	14
766	Multi-task Learning for Supervised and Unsupervised Classification of Grocery Images. Lecture Notes in Computer Science, 2021, , 325-338.	1.0	4
767	Edge Intelligence-Based Moving Target Classification Using Compressed Seismic Measurements and Convolutional Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	11
768	Efficient Detection in Aerial Images for Resource-Limited Satellites. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3

#	ARTICLE	IF	CITATIONS
769	Constrained Center Loss for Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1080-1088.	7.2	2
770	A Novel Distributed Sensor Fusion Algorithm for RSSI-Based Location Estimation Using the Unscented Kalman Filter. Wireless Personal Communications, 2021, 117, 607-621.	1.8	8
771	Automated Wild-Animal Intrusion Detection and Repellent System Using Artificial Intelligence of Things. SSRN Electronic Journal, 0, , .	0.4	0
772	RGB-D salient object detection: A survey. Computational Visual Media, 2021, 7, 37-69.	10.8	152
773	Multiscale Alternately Updated Clique Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	4
774	Semi-Supervised Locality Preserving Dense Graph Neural Network With ARMA Filters and Context-Aware Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	59
775	Enriching the Multi-Object Detection using Convolutional Neural Network in Macro-Image. , 2021, , .		9
776	Automatic Target Recognition for Mine Countermeasure Missions Using Forward-Looking Sonar Data. IEEE Journal of Oceanic Engineering, 2022, 47, 141-161.	2.1	22
778	The Enrichment of Texture Information to Improve Optical Flow for Silhouette Image. International Journal of Advanced Computer Science and Applications, 2021, 12, .	0.5	0
779	Superpixel-Based Convolutional Neural Network for Georeferencing the Drone Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3361-3372.	2.3	7
780	Reconstruction of Missing Ground-Penetrating Radar Traces Using Simplified U-Net. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
781	New Zealand Shellfish Detection, Recognition and Counting: A Deep Learning Approach on Mobile Devices. Communications in Computer and Information Science, 2021, , 119-133.	0.4	2
782	Multi-View Attention-Guided Multiple Instance Detection Network for Interpretable Breast Cancer Histopathological Image Diagnosis. IEEE Access, 2021, 9, 79671-79684.	2.6	20
783	A Study on Face, Expression, Object and Character Recognition to Implement An Aid for the Visually Impaired. SSRN Electronic Journal, 0, , .	0.4	0
784	Automatic Quantification of Plant Disease from Field Image Data Using Deep Learning. , 2021, , .		15
785	Graph2Net: Perceptually-Enriched Graph Learning for Skeleton-Based Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2120-2132.	5.6	20
786	Apple Fruit Recognition Based on a Deep Learning Algorithm Using an Improved Lightweight Network. Applied Engineering in Agriculture, 2021, 37, 123-134.	0.3	7
787	An object perception and positioning method via deep perception learning object detection. Concurrency Computation Practice and Experience, 2023, 35, e6203.	1.4	0

#	ARTICLE	IF	CITATIONS
788	Automatically Generating Websites from Hand-drawn Mockups. , 2021, , .		1
789	Detecting weeds from crops under complex field environments based on Faster RCNN. , 2021, , .		6
790	An Efficient Data Augmentation Network for Out-of-Distribution Image Detection. IEEE Access, 2021, 9, 35313-35323.	2.6	6
791	Laplacian Pyramid Neural Network for Dense Continuous-Value Regression for Complex Scenes. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5034-5046.	7.2	9
792	Robotic Waste Sorter With Agile Manipulation and Quickly Trainable Detector. IEEE Access, 2021, 9, 124616-124631.	2.6	11
793	Deep Learning Assisted Fixed Wireless Access Network Coverage Planning. IEEE Access, 2021, 9, 124530-124540.	2.6	1
794	On the Use of Region Convolutional Neural Network for Object Detection. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 315-324.	0.5	0
795	A possibilistic approach for interval type-2 fuzzy linguistic summarization of time series. Artificial Intelligence Review, 2021, 54, 3991-4018.	9.7	3
796	A Full Featured Configurable Accelerator for Object Detection With YOLO. IEEE Access, 2021, 9, 75864-75877.	2.6	37
797	Real Time Object Detection with Audio Feedback using Yolo vs. Yolo_v3. , 2021, , .		31
798	Developing an Autonomous Valet Parking System in Simulated Environment. , 2021, , .		3
799	Inception single shot multi-box detector with affinity propagation clustering and their application in multi-class vehicle counting. Applied Intelligence, 2021, 51, 4714-4729.	3.3	7
800	A Radiomics Signature to Quantitatively Analyze COVID-19-Infected Pulmonary Lesions. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 61-72.	2.2	18
801	An FPGA-Based Hardware/Software Design Using Binarized Neural Networks for Agricultural Applications: A Case Study. IEEE Access, 2021, 9, 26523-26531.	2.6	11
802	Performance Evaluation of Deep Learning Classification Network for Image Features. IEEE Access, 2021, 9, 9318-9333.	2.6	16
803	oneVFCâ€”A Vehicular Fog Computation Platform for Artificial Intelligence in Internet of Vehicles. IEEE Access, 2021, 9, 117456-117470.	2.6	5
804	Toward the Optimal Design and FPGA Implementation of Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3988-4002.	7.2	18
805	Improved Vision-Based Detection of Strawberry Diseases Using a Deep Neural Network. Frontiers in Plant Science, 2020, 11, 559172.	1.7	26

#	ARTICLE	IF	CITATIONS
806	An E-Waste Collection System Based on IoT Using LoRa Open-Source Machine Learning Framework. Lecture Notes in Networks and Systems, 2021, , 97-105.	0.5	2
807	Text query based summarized event searching interface system using deep learning over cloud. Multimedia Tools and Applications, 2021, 80, 11079-11094.	2.6	42
808	Development of deep learning-based equipment heat load detection for energy demand estimation and investigation of the impact of illumination. International Journal of Energy Research, 2021, 45, 7204-7221.	2.2	9
809	Deep Learning for LiDAR-Based Autonomous Vehicles in Smart Cities. , 2020, , 1-25.		6
810	Deep Sparse Band Selection for Hyperspectral Face Recognition. Advances in Computer Vision and Pattern Recognition, 2020, , 319-350.	0.9	4
812	Unsupervised Monocular Depth Estimation for Night-Time Images Using Adversarial Domain Feature Adaptation. Lecture Notes in Computer Science, 2020, , 443-459.	1.0	14
814	Face Mask Detection Using Transfer Learning of InceptionV3. Lecture Notes in Computer Science, 2020, , 81-90.	1.0	116
815	An Animal Detection and Collision Avoidance System Using Deep Learning. Lecture Notes in Electrical Engineering, 2021, , 1069-1084.	0.3	22
817	Pixel matching search algorithm for counting moving vehicle in highway traffic videos. Multimedia Tools and Applications, 2021, 80, 3153-3172.	2.6	6
818	A computer vision-based method for spatial-temporal action recognition of tail-biting behaviour in group-housed pigs. Biosystems Engineering, 2020, 195, 27-41.	1.9	70
819	A survey of CAPTCHA technologies to distinguish between human and computer. Neurocomputing, 2020, 408, 292-307.	3.5	18
820	YOLOped: efficient real-time single-shot pedestrian detection for smart camera applications. IET Computer Vision, 2020, 14, 417-425.	1.3	12
822	High PE Utilization CNN Accelerator with Channel Fusion Supporting Pattern-Compressed Sparse Neural Networks. , 2020, , .		10
823	Towards a cognitive architecture for self-supervised transfer learning for objects detection with a Humanoid Robot. , 2020, , .		2
824	Localization and Force-Feedback with Soft Magnetic Stickers for Precise Robot Manipulation. , 2020, , .		3
825	Exploring the Capabilities and Limits of 3D Monocular Object Detection - A Study on Simulation and Real World Data. , 2020, , .		3
826	CDD-Net: A Context-Driven Detection Network for Multiclass Object Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	17
827	Container Terminal Liner Berthing Time Prediction with Computational Logistics and Deep Learning. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
828	DiCENet: Dimension-wise Convolutions for Efficient Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	18
829	Intelligent Diagnosis of Incipient Fault in Power Distribution Lines Based on Corona Detection in UV-Visible Videos. IEEE Transactions on Power Delivery, 2021, 36, 3640-3648.	2.9	57
830	A Supervised Machine Learning Approach for Intelligent Process Automation in Container Logistics. Journal of Computing and Information Science in Engineering, 2020, 20, .	1.7	9
831	Data-driven detection and registration of spine surgery instrumentation in intraoperative images. , 2020, , .		4
832	ApproxDet. , 2020, , .		23
833	Transfer learning enables prediction of CYP2D6 haplotype function. PLoS Computational Biology, 2020, 16, e1008399.	1.5	32
834	Explorations into Deep Learning Text Architectures for Dense Image Captioning. , 0, , .		3
835	Diseases Classification for Tea Plant Using Concatenated Convolution Neural Network. CommIT Journal, 2019, 13, .	0.2	14
836	Review and Systematization of Solutions for 3D Object Detection. , 2020, , 1699-1711.		4
837	A Deep Collocation Method for the Bending Analysis of Kirchhoff Plate. Computers, Materials and Continua, 2019, 59, 433-456.	1.5	295
838	A Novel YOLOv3 Algorithm-Based Deep Learning Approach for Waste Segregation: Towards Smart Waste Management. Electronics (Switzerland), 2021, 10, 14.	1.8	71
839	A Detail-Preserving Cross-Scale Learning Strategy for CNN-Based Pansharpening. Remote Sensing, 2020, 12, 348.	1.8	41
840	Object Detection and Image Segmentation with Deep Learning on Earth Observation Data: A Review-Part I: Evolution and Recent Trends. Remote Sensing, 2020, 12, 1667.	1.8	210
841	Design and Implementation of a Video/Voice Process System for Recognizing Vehicle Parts Based on Artificial Intelligence. Sensors, 2020, 20, 7339.	2.1	5
842	Convolutional Neural Networks for Image-Based High-Throughput Plant Phenotyping: A Review. Plant Phenomics, 2020, 2020, 4152816.	2.5	187
843	Analyzing the Impact of Soft Errors in Deep Neural Networks on GPUs from Instruction Level. WSEAS Transactions on Systems and Control, 2020, 15, 699-708.	0.5	6
844	Remote Distance Measurement from a Single Image by Automatic Detection and Perspective Correction. KSII Transactions on Internet and Information Systems, 2019, 13, .	0.7	2
845	Detection and annotation of plant organs from digitised herbarium scans using deep learning. Biodiversity Data Journal, 2020, 8, e57090.	0.4	20

#	ARTICLE	IF	CITATIONS
846	An effective classifier based on convolutional neural network and regularized extreme learning machine. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 8309-8321.	1.0	17
847	Multi-national and Multi-language License Plate Detection using Convolutional Neural Networks. <i>Engineering, Technology &amp; Applied Science Research</i> , 2020, 10, 5979-5985.	0.8	8
848	Automatic detection of periodontal compromised teeth in digital panoramic radiographs using faster regional convolutional neural networks. <i>Imaging Science in Dentistry</i> , 2020, 50, 169.	0.6	55
849	Video Processing Using Deep Learning Techniques: A Systematic Literature Review. <i>IEEE Access</i> , 2021, 9, 139489-139507.	2.6	33
850	MEMA-NAS: Memory-Efficient Multi-Agent Neural Architecture Search. <i>Lecture Notes in Computer Science</i> , 2021, , 176-187.	1.0	1
851	Fully Convolutional Neural Network-Based CSI Limited Feedback for FDD Massive MIMO Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2022, 8, 672-682.	4.9	10
852	Light-YOLOv4: An Edge-Device Oriented Target Detection Method for Remote Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10808-10820.	2.3	34
853	Image Impulse Noise Removal Using Cascaded Filtering Based on Overlapped Adaptive Gaussian Smoothing and Convolutional Refinement Networks. <i>IEEE Open Journal of the Computer Society</i> , 2021, 2, 382-392.	5.2	2
854	Hierarchical Regression and Classification for Accurate Object Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, PP, 1-15.	7.2	2
855	Learning Multi-Granularity Neural Network Encoding Image Classification Using DCNNs for Easter Africa Community Countries. <i>IEEE Access</i> , 2021, 9, 146703-146718.	2.6	3
856	Looking at Boundary: Siamese Densely Cooperative Fusion for Salient Object Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 3580-3593.	7.2	2
857	Implementing Practical DNN-Based Object Detection Offloading Decision for Maximizing Detection Performance of Mobile Edge Devices. <i>IEEE Access</i> , 2021, 9, 140199-140211.	2.6	9
858	Metaparametric Neural Networks for Survival Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, PP, 1-10.	7.2	1
859	Can DNN Detectors Compete Against Human Vision in Object Detection Task?. <i>Lecture Notes in Computer Science</i> , 2021, , 542-553.	1.0	0
860	Traumatic Bleeding Detection Based on Fusion of 3D Shape and Local Texture Features. <i>Journal of Clinical and Medical Images and Short Reports</i> , 2021, 05, .	0.0	0
861	Multilabel Aerial Image Classification With Unsupervised Domain Adaptation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	2.7	6
862	A Survey on Automatic Inspections of Overhead Contact Lines by Computer Vision. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 10104-10125.	4.7	12
863	GCC-PHAT with Speech-oriented Attention for Robotic Sound Source Localization. , 2021, , .		7



#	ARTICLE	IF	CITATIONS
864	Implementation of Pipelined Adder Tree for Long Short-Term Memory Cells. , 2021, , .		0
865	Attention Neural Network Semblance Velocity Auto Picking with Reference Velocity Curve Data Augmentation. , 2021, , .		3
866	Clutter Aware Deep Detection for Subsurface Radar Targets. , 2021, , .		0
867	Automated Damaged Buildings Identification from High-Spatial-Resolution Imagery with Texture and Spectral Information. , 2021, , .		0
868	COMASNet: Precise Face Mask Detector Network. , 2021, , .		0
869	An Efficient Edge Deep Learning Computer Vision System to Prevent Sudden Infant Death Syndrome. , 2021, , .		0
870	Towards Automatic Ethiopian Endemic Animals Detection on Android Using Deep Learning. , 2021, , .		2
871	Enhanced Deep Convolutional Neural Network for Building Component Detection Towards Structural Health Monitoring. , 2021, , .		2
872	Covid-19 Safety Protocol Monitoring System using AI. , 2021, , .		0
873	Prediction Surface Uncertainty Quantification in Object Detection Models for Autonomous Driving. , 2021, , .		8
874	AI robustness analysis with consideration of corner cases. , 2021, , .		6
875	Evaluation of Traditional and Deep Learning Human Detection Techniques Applied to Surveillance: A Performance Comparison at Distinct Object Sizes. , 2021, , .		1
876	Drone Object Detection Using Deep Learning Algorithms. , 2021, , .		2
877	A Step-by-Step Guide for Automated Plant Canopy Delineation Using Deep Learning: An Example in Strawberry Using ArcGIS Pro Software. Edis, 2021, 2021, .	0.0	0
878	Automatic road traffic signs detection and recognition using "You Only Look Once"™ version 4 (YOLOv4). , 2021, , .		3
879	An Instance Segmentation Model for Strawberry Diseases Based on Mask R-CNN. Sensors, 2021, 21, 6565.	2.1	37
880	Video based human crowd analysis using machine learning: a survey. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2022, 10, 113-131.	1.3	9
881	Automatic Detection of Necrotizing Fasciitis: A Dataset and Early Results. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
882	Deep Learning Classification of High-Resolution Drone Images Using the ArcGIS Pro Software. Edis, 2021, 2021, .	0.0	7
883	Automatic Segmentation and Classification Methods Using Optical Coherence Tomography Angiography (OCTA): A Review and Handbook. Applied Sciences (Switzerland), 2021, 11, 9734.	1.3	6
884	Electric and fuel car identification based on UAV thermal infrared images using deep convolutional neural networks. International Journal of Remote Sensing, 2021, 42, 8526-8541.	1.3	0
885	On-Device Object Detection for More Efficient and Privacy-Compliant Visual Perception in Context-Aware Systems. Applied Sciences (Switzerland), 2021, 11, 9173.	1.3	2
886	Effect of an anti-adhesion agent on vision-based assessment of cervical adhesions after thyroid surgery: randomized, placebo-controlled trial. Scientific Reports, 2021, 11, 19935.	1.6	1
887	ReCRNet: a deep residual network for crack detection in historical buildings. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2
888	The Fusion Strategy of 2D and 3D Information Based on Deep Learning: A Review. Remote Sensing, 2021, 13, 4029.	1.8	6
889	Exploring the vertical dimension of street view image based on deep learning: a case study on lowest floor elevation estimation. International Journal of Geographical Information Science, 2022, 36, 1317-1342.	2.2	19
890	A Model Proposal for the Adaptation of a System That Can Detect Cataphoresis Coating Defects with a Deep Learning Based Im. Academic Perspective Procedia, 2021, 4, 223-231.	0.0	0
891	JDMAN: Joint Discriminative and Mutual Adaptation Networks for Cross-Domain Facial Expression Recognition. , 2021, , .		9
892	The SMOOTH-Robot: A Modular, Interactive Service Robot. Frontiers in Robotics and AI, 2021, 8, 645639.	2.0	6
893	Research on Fault Diagnosis of IPMSM for Electric Vehicles Based on Multi-Level Feature Fusion SPP Network. Symmetry, 2021, 13, 1844.	1.1	3
894	Keyword Detection Based on RetinaNet and Transfer Learning for Personal Information Protection in Document Images. Applied Sciences (Switzerland), 2021, 11, 9528.	1.3	4
895	Data Science Applied to Carbon Materials: Synthesis, Characterization, and Applications. Advanced Theory and Simulations, 2022, 5, 2100205.	1.3	3
896	Enabling Technologies of Data-Driven Engineering Design. , 2022, , 173-197.		1
897	A novel meta-learning framework: Multi-features adaptive aggregation method with information enhancer. Neural Networks, 2021, 144, 755-765.	3.3	8
898	Visual-based obstacle detection and tracking, and conflict detection for small UAS sense and avoid. Aerospace Science and Technology, 2021, 119, 107167.	2.5	14
899	Tiny Vehicle Detection from UAV Imagery. Communications in Computer and Information Science, 2019, , 370-381.	0.4	0

#	ARTICLE	IF	CITATIONS
900	Adapted learning for polarization-based car detection. , 2019, , .		3
901	Application of Deep Neural Network for the Vision System of Mobile Service Robot. Studies in Computational Intelligence, 2020, , 214-220.	0.7	0
902	Real-time CNN-based object detection and classification for outdoor surveillance images: daytime and thermal. , 2019, , .		3
903	A Secure Face Anti-spoofing Approach Using Deep Learning. , 2019, , .		0
904	Automating nut tightening using Machine Learning. IFAC-PapersOnLine, 2020, 53, 10291-10296.	0.5	3
905	Early Experience in Benchmarking Edge AI Processors with Object Detection Workloads. Lecture Notes in Computer Science, 2020, , 32-48.	1.0	8
906	Boost 3-D Object Detection via Point Clouds Segmentation and Fused 3-D GloU-<i>L</i>-Loss. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 762-773.	7.2	13
907	Smart and Secure IoT Based Child Monitoring System. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2020, , 332-336.	0.2	1
909	Safety Helmet Detection in Industrial Environment using Deep Learning. , 2020, , .		6
910	SUPPORTING THE MANAGEMENT OF HUMANITARIAN OPERATIONS CONCERNING MIGRATION MOVEMENTS WITH REMOTE SENSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 233-240.	0.2	0
911	Robust 3D Object Detection from LiDAR Point Cloud Data with Spatial Information Aggregation. Advances in Intelligent Systems and Computing, 2021, , 813-823.	0.5	2
912	Detection of Artificial Images and Changes in Real Images Using Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2021, , 197-207.	0.5	1
913	A Lightweight Pedestrian Detection Model for Edge Computing Systems. Advances in Intelligent Systems and Computing, 2021, , 102-112.	0.5	2
914	Mitigating Wild Animals Poaching Through State-of-the-art Multimedia Data Mining Techniques: A Review. , 2020, , .		0
915	Road Scene Image Segmentation Based on Feature Fusion. , 2020, , .		0
916	A Survey Paper on Movie Trailer Genre Detection. , 2020, , .		1
918	Thermal Imaging on Smart Vehicles for Person and Road Detection: Can a Lazy Approach Work?. , 2020, , .		1
919	Ship Detection in Large Scale Sar Images Based on Bias Classification. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
920	Intelligent Recognition in Automated Meters Surveying. , 2020, , .		0
921	Object Detection and Recognition for Visually Impaired Users: A Transfer Learning Approach. , 2021, , .		0
922	Freshness Assessment of Indian Gooseberry (Phyllanthus emblica) Using Probabilistic Neural Network. Journal of Biosystems Engineering, 2021, 46, 399-416.	1.2	11
923	A comprehensive and systematic review on classical and deep learning based region proposal algorithms. Expert Systems With Applications, 2022, 189, 116105.	4.4	9
924	Configurable Hardware Core for IoT Object Detection. Future Internet, 2021, 13, 280.	2.4	3
925	An Automatic System to Monitor the Physical Distance and Face Mask Wearing of Construction Workers in COVID-19 Pandemic. SN Computer Science, 2022, 3, 27.	2.3	49
926	Multiple-Object Detection and Segmentation Based on Deep Learning in High-Resolution Video Using Mask-RCNN. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, .	0.7	10
927	Research and applications of artificial neural network in pavement engineering: A state-of-the-art review. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 1000-1021.	2.0	35
928	Design and Implementation of a Robotic Arm Assistant with Voice Interaction Using Machine Vision. Automation, 2021, 2, 238-251.	1.2	2
929	Spectral-Spatial Offset Graph Convolutional Networks for Hyperspectral Image Classification. Remote Sensing, 2021, 13, 4342.	1.8	12
930	A Comprehensive Review on Image Synthesis with Adversarial Networks: Theory, Literature, and Applications. Archives of Computational Methods in Engineering, 2022, 29, 2685-2705.	6.0	11
931	Evaluation of Non-Classical Decision-Making Methods in Self Driving Cars: Pedestrian Detection Testing on Cluster of Images with Different Luminance Conditions. Energies, 2021, 14, 7172.	1.6	3
932	Incremental Object Detection Using Ensemble Modeling and Deep Transfer Learning. Advances in Intelligent Systems and Computing, 2020, , 190-198.	0.5	1
933	Real-time object detection and face recognition system to assist the visually impaired. Journal of Physics: Conference Series, 2020, 1706, 012149.	0.3	6
934	Residual Waste Quality Detection Method Based on Gaussian-YOLOv3. Advances in Intelligent Systems and Computing, 2021, , 459-469.	0.5	1
935	PHOTOMONTAGE DETECTION WITH DEEP NEURAL NETWORKS. MÃ¼hendislik Bilimleri Ve TasarÄ±m Dergisi, 2020, 8, 236-240.	0.1	2
936	A Computer-Aided Diagnosis of Brain Tumors Using a Fine-Tuned YOLO-based Model with Transfer Learning. KSII Transactions on Internet and Information Systems, 0, , .	0.7	6
937	Detecting Individual-Tree Crown Regions from Terrestrial Laser Scans with an Anchor-Free Deep Learning Model. Canadian Journal of Remote Sensing, 2021, 47, 228-242.	1.1	8

#	ARTICLE	IF	CITATIONS
938	Computational Intelligence in Remote Sensing Image Registration: A survey. International Journal of Automation and Computing, 2021, 18, 1-17.	4.5	23
939	Neural Data Augmentation Techniques for Time Series Data and its Benefits. , 2020, , .		0
940	Robust Detection of Objects under Periodic Motion with Gaussian Process Filtering. , 2020, , .		2
941	FASTER R-CNN for cell counting in low contrast microscopic images. , 2020, , .		2
942	A Fast, Automatic Risk Detector for COVID-19. , 2020, , .		6
943	Recognize Moving Objects Around an Autonomous Vehicle Considering a Deep-learning Detector Model and Dynamic Bayesian Occupancy. , 2020, , .		1
944	A New Clustering-Based Technique for the Acceleration of Deep Convolutional Networks. , 2020, , .		3
947	Object Detection in Urban Aerial Image Based on Advanced YOLO v3 Algorithm. , 2020, , .		2
948	Integrating Part-Object Relationship and Contrast for Camouflaged Object Detection. IEEE Transactions on Information Forensics and Security, 2021, 16, 5154-5166.	4.5	19
949	Quantifying Asymmetry Between Medial and Lateral Compartment Knee Loading Forces Using Acoustic Emissions. IEEE Transactions on Biomedical Engineering, 2022, 69, 1541-1551.	2.5	2
950	Binary-Classifiers-Enabled Filters for Semi-Supervised Learning. IEEE Access, 2021, 9, 167663-167673.	2.6	16
951	SCPM-Net: An anchor-free 3D lung nodule detection network using sphere representation and center points matching. Medical Image Analysis, 2022, 75, 102287.	7.0	34
952	U-Net based neural network for fringe pattern denoising. Optics and Lasers in Engineering, 2022, 149, 106829.	2.0	13
953	Recent advancements in finger vein recognition technology: Methodology, challenges and opportunities. Information Fusion, 2022, 79, 84-109.	11.7	50
954	Smart Solution to Detect Images in Limited Visibility Conditions Based Convolutional Neural Networks. Communications in Computer and Information Science, 2020, , 641-650.	0.4	2
955	Recognition of Isolated Gestures for Indian Sign Language Using Transfer Learning. Communications in Computer and Information Science, 2021, , 107-115.	0.4	1
956	Integrated YOLO Based Object Detection for Semantic Outdoor Natural Scene Classification. Advances in Intelligent Systems and Computing, 2020, , 398-408.	0.5	1
957	Detection of COVID-19 by GoogLeNet-COD. Lecture Notes in Computer Science, 2020, , 499-509.	1.0	5

#	ARTICLE	IF	CITATIONS
958	Efficient Single Shot Object Detector Towards More Accurate and Faster Prediction. Lecture Notes in Computer Science, 2020, , 115-124.	1.0	0
959	A Review on Steel Surface Image Features Extraction and Representation Methods. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 239-250.	0.2	2
960	Many-Shot from Low-Shot: Learning to Annotate Using Mixed Supervision for Object Detection. Lecture Notes in Computer Science, 2020, , 35-50.	1.0	8
962	Recent Advances of Generic Object Detection with Deep Learning: A Review. Communications in Computer and Information Science, 2020, , 185-193.	0.4	1
963	Social Behaviour Understanding Using Deep Neural Networks: Development of Social Intelligence Systems. Lecture Notes in Computer Science, 2020, , 600-613.	1.0	0
964	CRPN-SFNet: A High-Performance Object Detector on Large-Scale Remote Sensing Images. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 416-429.	7.2	10
965	A Parameterisable FPGA-Tailored Architecture for YOLOv3-Tiny. Lecture Notes in Computer Science, 2020, , 330-344.	1.0	22
966	A New Approach Combining Trained Single-view Networks with Multi-view Constraints for Robust Multi-view Object Detection and Labelling. , 2020, , .		1
967	Positive-Aware Lesion Detection Network with Cross-scale Feature Pyramid for OCT Images. Lecture Notes in Computer Science, 2020, , 685-693.	1.0	3
968	End-to-End Object Detection with Fully Convolutional Network. , 2021, , .		99
969	Real-Time Pedestrians Detection by YOLOv5. , 2021, , .		8
970	Object and environment recognition for a small mobile robot applying artificial intelligence. Journal of Digital Contents Society, 2020, 21, 811-816.	0.1	1
972	Optimizing Nondecomposable Data Dependent Regularizers via Lagrangian Reparameterization Offers Significant Performance and Efficiency Gains. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5487-5494.	3.6	3
973	Comparative Analysis of Two Stage and Single Stage Detectors for Anomaly Detection. , 2021, , .		1
974	Dynamic Door Modeling for Monocular 3D Vehicle Detection. , 2021, , .		0
975	Oil Spill Detection System in the Arabian Gulf Region: An Azure Machine-Learning Approach. , 2021, , .		0
976	A Case Study: Cat-Dog Face Detector Based on YOLOv5. , 2021, , .		10
977	Efficacy Determination of Various Base Networks in Single Shot Detector for Automatic Mask Localisation in a Post COVID Setup. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 345-364.	1.8	1

#	ARTICLE	IF	CITATIONS
978	Bringing AI to edge: From deep learning's perspective. Neurocomputing, 2022, 485, 297-320.	3.5	44
979	Rawls's Original Position and Algorithmic Fairness. Philosophy and Technology, 2021, 34, 1803-1817.	2.6	4
980	Using Behavioral Biometrics of Fingerprint Authentication to Investigate Physical and Emotional User States. Lecture Notes in Networks and Systems, 2022, , 240-256.	0.5	2
981	Including Leaf Traits Improves a Deep Neural Network Model for Predicting Photosynthetic Capacity from Reflectance. Remote Sensing, 2021, 13, 4467.	1.8	7
983	CCMR: A Classic-enriched Connotation-aware Music Retrieval System on Social Media with Visual Inputs. Social Network Analysis and Mining, 2021, 11, 1.	1.9	3
984	Fruit detection and load estimation of an orange orchard using the YOLO models through simple approaches in different imaging and illumination conditions. Computers and Electronics in Agriculture, 2021, 191, 106533.	3.7	56
985	Video object detection based on the spatial-temporal convolution feature memory model. , 2020, , .		0
986	Efficient Plant Diseases Recognition based on Modified Residual Neural Network and Transfer Learning. , 2020, , .		0
987	Cost Estimation for Configurable Model-Driven SoC Designs Using Machine Learning. , 2020, , .		0
989	Multiple object tracking using feature fusion in hierarchical LSTMs. Journal of Engineering, 2020, 2020, 893-899.	0.6	1
990	Kernel-controlled DQN based CNN Pruning for Model Compression and Acceleration. , 2020, , .		0
991	iOrthoPredictor. ACM Transactions on Graphics, 2020, 39, 1-15.	4.9	6
992	Age and Gender Recognition from Speech Using Deep Neural Networks. Advances in Intelligent Systems and Computing, 2021, , 332-344.	0.5	3
993	Deep Learning Classification and Recognition Model Construction of Face Living Image Based on Multi-feature Fusion. Advances in Intelligent Systems and Computing, 2021, , 127-133.	0.5	0
994	Fast Eye Detector Using CPU Based Lightweight Convolutional Neural Network. , 2020, , .		4
995	Predicting the transport properties of silicene nanoribbons using a neural network. , 2020, , .		2
997	Research on intelligent damage detection of far-sea cage based on machine vision and deep learning. Aquacultural Engineering, 2022, 96, 102219.	1.4	11
998	Machine learning and deep learning enabled fuel sooting tendency prediction from molecular structure. Journal of Molecular Graphics and Modelling, 2022, 111, 108083.	1.3	3

#	ARTICLE	IF	CITATIONS
999	Analysis of target detection algorithms at different stages. , 2021, , .		0
1000	Social Distancing for Covid-19 Monitoring System. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2021, , 49-61.	0.2	0
1001	Visual Object Detection - an Overview of Algorithms and Results. , 2021, , .		0
1002	COVID-19 Prevention Melioration: Face Mask and Social Distancing Detection. , 2021, , .		1
1003	Objects Relativity Bias: for Detected Objects if they are in the range of their Bigger Compositions. , 2021, , .		0
1004	Cascaded Convolutional Generator Networks For Solving Imaging Inverse Problems. , 2021, , .		0
1005	Detectors++: The Robust Baseline for a Defect Detection System. , 2021, , .		2
1006	Eye movement and Frontal face of human body to Interact with Computer: A Recognition System. , 2021, , .		0
1007	Autonomous Ground Refuelling Approach for Civil Aircrafts using Computer Vision and Robotics. , 2021, , .		3
1008	Eye movement with zoom Feature for HCI. , 2021, , .		0
1009	Unmanned Aerial Vehicle Visual Detection and Tracking using Deep Neural Networks: A Performance Benchmark. , 2021, , .		27
1010	Instance Segmentation for Governmental Inspection of Small Touristic Infrastructure in Beach Zones Using Multispectral High-Resolution WorldView-3 Imagery. ISPRS International Journal of Geo-Information, 2021, 10, 813.	1.4	6
1011	An Overview of Machine Learning and 5G for People with Disabilities. Sensors, 2021, 21, 7572.	2.1	6
1012	The Smart Machining System Monitoring from Machine Learning View. Springer Series in Advanced Manufacturing, 2022, , 139-190.	0.2	1
1013	A Deep Learning Model of Dual-Stage License Plate Recognition Applicable to the Data Processing Industry. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	1
1014	Improving RGB-D SLAM in dynamic environments using semantic aided segmentation. Robotica, 2022, 40, 2065-2090.	1.3	7
1015	Multisource Data Fusion Diagnosis Method of Rolling Bearings Based on Improved Multiscale CNN. Journal of Sensors, 2021, 2021, 1-17.	0.6	5
1017	A Convolutional Autoencoder Topology for Classification in High-Dimensional Noisy Image Datasets. Sensors, 2021, 21, 7731.	2.1	24



#	ARTICLE	IF	CITATIONS
1018	Improved Oriented Object Detection in Remote Sensing Images Based on a Three-Point Regression Method. <i>Remote Sensing</i> , 2021, 13, 4517.	1.8	2
1019	An automated system for electrical power symbol placement in electrical plan drawing. <i>Automatika</i> , 2022, 63, 78-89.	1.2	2
1020	Real-time human detection in thermal infrared imaging at night using enhanced Tiny-yolov3 network. <i>Journal of Real-Time Image Processing</i> , 2022, 19, 261-274.	2.2	10
1021	Dialogue Control of Collaborative Robots Based on Artificial Neural Networks. <i>Mekhatronika, Avtomatizatsiya, Upravlenie</i> , 2021, 22, 567-576.	0.2	1
1022	A belt tearing detection method of YOLOv4-BELT for multi-source interference environment. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 189, 110469.	2.5	9
1023	Deep learning—a first meta-survey of selected reviews across scientific disciplines, their commonalities, challenges and research impact. <i>PeerJ Computer Science</i> , 2021, 7, e773.	2.7	18
1024	Advanced deep learning for dynamic emulsion stability measurement. <i>Computers and Chemical Engineering</i> , 2022, 157, 107614.	2.0	5
1025	Automatic Detection and Counting of Blood Cells in Smear Images Using RetinaNet. <i>Entropy</i> , 2021, 23, 1522.	1.1	17
1026	A New Clustering-Based Technique for the Acceleration of Deep Convolutional Networks. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 123-150.	0.5	2
1027	Extreme 3D Image Navigation in Mobile Robotics. <i>Mekhatronika, Avtomatizatsiya, Upravlenie</i> , 2021, 22, 594-600.	0.2	1
1028	Feedforward neural networks initialization based on discriminant learning. <i>Neural Networks</i> , 2022, 146, 220-229.	3.3	17
1029	A Low-resolution infrared thermal dataset and potential privacy-preserving applications. , 2021, , .		0
1030	Robust detection method for improving small traffic sign recognition based on spatial pyramid pooling. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 8135-8152.	3.3	30
1031	Study of the Formation of Zinc Oxide Nanowires on Brass Surface After Pulse-Periodic Laser Treatment. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 335-343.	0.3	3
1032	DS-CNN: A pre-trained Xception model based on depth-wise separable convolutional neural network for finger vein recognition. <i>Expert Systems With Applications</i> , 2022, 191, 116288.	4.4	82
1033	Theft Detection and Monitoring System Using Machine Learning. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 957-966.	0.3	0
1034	Towards Context-aware Automatic Haptic Effect Generation for Home Theatre Environments. , 2021, , .		8
1035	Xar-trek. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
1036	Traffic Object Detection and Recognition Based on the Attentional Visual Field of Drivers. IEEE Transactions on Intelligent Vehicles, 2023, 8, 594-604.	9.4	14
1037	C2FDA: Coarse-to-Fine Domain Adaptation for Traffic Object Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12633-12647.	4.7	54
1038	Image Manipulation Localization Using Attentional Cross-Domain CNN Features. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5614-5628.	7.2	5
1039	An Automatic Deep Segmentation Network for Pixel-Level Welding Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	15
1040	Variations in cycle-time when using knowledge-based tasks for humans and robots. IFAC-PapersOnLine, 2021, 54, 152-157.	0.5	1
1041	Towards Real-Time House Detection in Aerial Images Using Faster Region-Based Convolutional Neural Network. SSRN Electronic Journal, 0, , .	0.4	0
1042	Artificial Intelligence-driven Image Analysis of Bacterial Cells and Biofilms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.	1.9	10
1043	Deep Learning Empowered MAC Protocol Identification With Squeeze-and-Excitation Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 683-693.	4.9	6
1044	Object Detection Model Training Framework for Very Small Datasets Applied to Outdoor Industrial Structures. Lecture Notes in Computer Science, 2021, , 540-551.	1.0	0
1045	Bi-shifting semantic auto-encoder for zero-shot learning. Electronic Research Archive, 2022, 30, 140-167.	0.4	0
1046	A Survey on Cost Types, Interaction Schemes, and Annotator Performance Models in Selection Algorithms for Active Learning in Classification. IEEE Access, 2021, 9, 166970-166989.	2.6	4
1047	Performance Evaluation and Analysis of Drone-Based Vehicle Detection Techniques From Deep Learning Perspective. IEEE Internet of Things Journal, 2022, 9, 10920-10935.	5.5	13
1048	Global-Local attention network with multi-task uncertainty loss for abnormal lymph node detection in MR images. Medical Image Analysis, 2022, 77, 102345.	7.0	13
1049	Detection and Recognition of Drones Based on a Deep Convolutional Neural Network Using Visible Imagery. Aerospace, 2022, 9, 31.	1.1	21
1050	Deep Learning for Orthopedic Disease Based on Medical Image Analysis: Present and Future. Applied Sciences (Switzerland), 2022, 12, 681.	1.3	10
1051	Selecting Post-Processing Schemes for Accurate Detection of Small Objects in Low-Resolution Wide-Area Aerial Imagery. Remote Sensing, 2022, 14, 255.	1.8	4
1052	Confronting Deep-Learning and Biodiversity Challenges for Automatic Video-Monitoring of Marine Ecosystems. Sensors, 2022, 22, 497.	2.1	10
1053	ZeRGAN: Zero-Reference GAN for Fusion of Multispectral and Panchromatic Images. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8195-8209.	7.2	23

#	ARTICLE	IF	CITATIONS
1054	Real time deep learning framework to monitor social distancing using improved single shot detector based on overhead position. <i>Earth Science Informatics</i> , 2022, 15, 585-602.	1.6	6
1055	TNCR: Table net detection and classification dataset. <i>Neurocomputing</i> , 2022, 473, 79-97.	3.5	18
1056	Real-time monitoring of occupancy activities and window opening within buildings using an integrated deep learning-based approach for reducing energy demand. <i>Applied Energy</i> , 2022, 308, 118336.	5.1	18
1057	Application of image processing and convolutional neural networks for flood image classification and semantic segmentation. <i>Environmental Modelling and Software</i> , 2022, 148, 105285.	1.9	33
1058	Feature Correlation-Steered Capsule Network for object detection. <i>Neural Networks</i> , 2022, 147, 25-41.	3.3	19
1059	Review of Machine Learning Algorithms for Automatic Detection of Underground Objects in GPR Images. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022, 13, .	0.9	3
1060	In-situ recognition of hand gesture via Enhanced Xception based single-stage deep convolutional neural network. <i>Expert Systems With Applications</i> , 2022, 193, 116427.	4.4	10
1061	Automatic detection of <i>Aedes aegypti</i> breeding grounds based on deep networks with spatio-temporal consistency. <i>Computers, Environment and Urban Systems</i> , 2022, 93, 101754.	3.3	8
1062	Use of a deep convolutional neural network to diagnose disease in the rose by means of a photographic image. , 2020, , .		1
1063	LUNG OPACITY IDENTIFICATION USING MATHEMATICAL MODEL BASED ON DEEP LEARNING. , 2020, 5, 25-29.		0
1064	Dense Docked Ship Detection via Spatial Group-Wise Enhance Attention in SAR Images. , 2020, , .		10
1065	Secured Automated Complaint Generation System for Organizations. , 2020, , .		0
1066	Mapping Electric Transmission Line Infrastructure from Aerial Imagery with Deep Learning. , 2020, , .		0
1067	Edge pre-processing of traffic surveillance video for bandwidth and privacy optimization in smart cities. , 2020, , .		3
1068	A Method for Optimizing Deep Learning Object Detection in Edge Computing. , 2020, , .		6
1069	Benchmark and Evaluation of Low Resource Object Detection in Biomedical Images. , 2020, , .		0
1070	Object detection in rural roads using Tensorflow API. , 2020, , .		5
1071	Very Small Neural Networks for Optical Classification of Fish Images and Videos. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
1072	X-Ray: Mechanical Search for an Occluded Object by Minimizing Support of Learned Occupancy Distributions. , 2020, , .		19
1073	Tactile Event Based Grasping Algorithm using Memorized Triggers and Mechanoreceptive Sensors. , 2020, , .		1
1074	Rapid Autonomous Semantic Mapping. , 2020, , .		1
1075	A Multi-Feature Fusion Based Pedestrian Detection Method. , 2020, , .		3
1076	Wildlife Detection and Recognition in Digital Images Using YOLOv3: Extended Abstract. , 2020, , .		3
1077	Price look out using web browser for the objects detected in the image. , 2020, , .		0
1078	An improved lightweight model based on Mask R-CNN for satellite component recognition. , 2020, , .		1
1079	Prototyping of Machine Learning at Traditional Market as Option for Sales and Purchasing Transaction. , 2020, , .		1
1080	State-of-Charge Estimation of Li-ion Battery at Variable Ambient Temperature with Gated Recurrent Unit Network. , 2020, , .		9
1081	Synchronization of High-Speed Quantum Random Number Generators via Digital Television Channels. , 2020, , .		0
1082	Automated Socket Anomaly Detection through Deep Learning. , 2020, , .		1
1083	Asymmetric production metric for calculating the similarity of objects. , 2020, , .		0
1084	Design and Implementation of Home Service Robot. , 2020, , .		0
1085	The Importance of Bounding Box in Motion Detection. , 2020, , .		0
1086	A Comparative Study of Nighttime Object Detection With Datasets From Australia and China. , 2020, , .		2
1087	Prototype for Integration of Face Mask Detection and Person Identification Model " COVID-19. , 2020, , .		14
1088	Making Sense of Occluded Scenes using Light Field Pre-processing and Deep-learning. , 2020, , .		3
1089	Domain adaptive object detection with generative adversarial network. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
1090	Object Detection from Thermal Infrared and Visible Light Cameras in Search and Rescue Scenes. , 2020, , .		16
1091	Camera-LiDAR Data Fusion for Autonomous Mooring Operation. , 2020, , .		5
1092	Improved Spatio-Temporal Convolutional Neural Networks for Traffic Police Gestures Recognition. , 2020, , .		2
1093	Intelligent machine vision model for defective product inspection based on machine learning. , 2020, , .		9
1094	Intelligent Video Analytic for Suspicious Object Detection : A Systematic Review. , 2020, , .		4
1095	Temporal 3D RetinaNet for fish detection. , 2020, , .		6
1096	3D Depth Camera Based Face Mask Recognition Using Spatial and Frequency Features. , 2021, , .		0
1098	A Brief Review of Domain Adaptation. Transactions on Computational Science and Computational Intelligence, 2021, , 877-894.	0.3	117
1100	A Smart Operator Assistance System Using Deep Learning for Angle Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	3
1102	High-level camera-LiDAR fusion for 3D object detection with machine learning. , 0, , .		1
1103	Fire Detection and Segmentation using YOLOv5 and U-NET. , 2021, , .		15
1104	Object Detection using Deep Learning. , 2021, , .		4
1105	A Deep Neural Network Machine Vision Application for Preventing Wildlife-Human Conflicts. , 2021, , .		1
1106	Towards Robust Visual Diver Detection Onboard Autonomous Underwater Robots: Assessing the Effects of Models and Data1. , 2021, , .		1
1107	A Study of Classifying Advanced Persistent Threats With Multi-Layered Deep Learning Approaches. , 2021, , .		0
1108	Face Mask Detection Using Optimized CNN. , 2021, , .		0
1109	Comparative study of Face Mask Recognition using Deep Learning and Machine learning classifiers. , 2021, , .		1
1110	Machine Learning-Based Real-Time Traffic Control System. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1111	Development Process and Hot Spot Analysis of Object Detection Based on Mapping Knowledge Domains. , 2021, , .		0
1112	Debris Object Detection Caused by Vehicle Accidents Using UAV and Deep Learning Techniques. , 2021, , .		2
1113	State of art on object detection solution applied to COVID 19â€™s spreading prevention. , 2021, , .		1
1114	RetinaFaceMask: A Single Stage Face Mask Detector for Assisting Control of the COVID-19 Pandemic. , 2021, , .		35
1115	DNN inference offloading for object detection in 5G multi-access edge computing. , 2021, , .		4
1116	Social and Service Robots Deployed for Social Distancing - Optimization and Placement. , 2021, , .		0
1117	Transferable Representation Model Driven by Gaussian Process Regression for Real-time Energy Management of Plug-in Hybrid Vehicles. , 2021, , .		0
1118	An Intelligent Smart Bin for Waste Management. , 2021, , .		3
1119	Automated surface defect detection in metals: a comparative review of object detection and semantic segmentation using deep learning. , 2021, , .		1
1120	Preventing Against Virus Transmission by Detecting Facemask for Gateway Operation System. , 2021, , .		0
1121	Deep Learning-based Face Mask Usage Detection on Low Compute Resource Devices. , 2021, , .		0
1122	Application of AI And Computer Vision To Face Mask And Social Distance Detection in CCTV Video Streams. , 2021, , .		3
1123	New hierarchy-based segmentation layer: towards automatic marker proposal. , 2021, , .		0
1124	Faster R-CNN with a cross-validation approach to object detection in radar images. , 2021, , .		1
1125	A Fast Multi-Object Tracking Method using DDR Descriptor. , 2021, , .		1
1126	Learning Sequential Visual Appearance Transformation for Online Multi-Object Tracking. , 2021, , .		3
1127	No rain in the world: A novel residual deep attention network for single image rain removal. Journal of Intelligent and Fuzzy Systems, 2022, , 1-17.	0.8	0
1128	Optimization of College English Classroom Teaching Efficiency by Deep Learning SDD Algorithm. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.1	1

#	ARTICLE	IF	CITATIONS
1129	Recognition of Human Face Regions under Adverse Conditionsâ€”Face Masks and Glassesâ€”In Thermographic Sanitary Barriers through Learning Transfer from an Object Detector. <i>Machines</i> , 2022, 10, 43.	1.2	6
1130	Automatic Bunch Detection in White Grape Varieties Using YOLOv3, YOLOv4, and YOLOv5 Deep Learning Algorithms. <i>Agronomy</i> , 2022, 12, 319.	1.3	114
1131	Object detection and tracking using a high-performance artificial intelligence-based 3D depth camera: towards early detection of African swine fever. <i>Journal of Veterinary Science</i> , 2022, 23, e17.	0.5	2
1132	A pilot study of a deep learning approach to detect marginal bone loss around implants. <i>BMC Oral Health</i> , 2022, 22, 11.	0.8	19
1133	Development of cost-effective IoT module-based pipe classification system for flexible manufacturing system of painting process of high-pressure pipe. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 5453-5466.	1.5	4
1134	SFA-Net: A Selective Features Absorption Network for Object Detection in Rainy Weather Conditions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 5122-5132.	7.2	8
1135	Practical Optimization and Game Theory for 6G Ultra-Dense Networks: Overview and Research Challenges. <i>IEEE Access</i> , 2022, 10, 13311-13328.	2.6	13
1136	A fast accurate fine-grain object detection model based on YOLOv4 deep neural network. <i>Neural Computing and Applications</i> , 2022, 34, 3895-3921.	3.2	118
1137	An Automated Real-Time Face Mask Detection System Using Transfer Learning with Faster-RCNN in the Era of the COVID-19 Pandemic. <i>Computers, Materials and Continua</i> , 2022, 71, 4151-4166.	1.5	8
1138	Bio-inspired computational object classification model for object recognition. <i>Cognitive Systems Research</i> , 2022, 73, 36-50.	1.9	1
1139	Stochastic deep collocation method based on neural architecture search and transfer learning for heterogeneous porous media. <i>Engineering With Computers</i> , 2022, 38, 5173-5198.	3.5	45
1140	Using Deep Learning for Collecting Data about Museum Visitor Behavior. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 533.	1.3	14
1141	A Comparative Assessment of Deep Neural Network Models for Detecting Obstacles in the Real Time Aerial Railway Track Images. <i>Applied Artificial Intelligence</i> , 2022, 36, .	2.0	10
1142	Visual recognition for urban traffic data retrieval and analysis in major events using convolutional neural networks. <i>Computational Urban Science</i> , 2022, 2, 2.	1.9	6
1143	Adopting the YOLOv4 Architecture for Low-Latency Multispectral Pedestrian Detection in Autonomous Driving. <i>Sensors</i> , 2022, 22, 1082.	2.1	29
1144	Fast and Robust People Detection in RGB Images. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1225.	1.3	3
1145	Detection and Recognition of Barriers in Egocentric Images for Safe Urban Sidewalks. <i>Communications in Computer and Information Science</i> , 2022, , 530-543.	0.4	1
1146	A selective region-based detection and tracking approach towards the recognition of dynamic bare hand gesture using deep neural network. <i>Multimedia Systems</i> , 2022, 28, 861-879.	3.0	6

#	ARTICLE	IF	CITATIONS
1147	Performance comparison of CNN, QNN and BNN deep neural networks for real-time object detection using ZYNQ FPGA node. <i>Microelectronics Journal</i> , 2022, 119, 105319.	1.1	25
1148	Detecting Extratropical Cyclones of the Northern Hemisphere with Single Shot Detector. <i>Remote Sensing</i> , 2022, 14, 254.	1.8	3
1149	Object recognition datasets and challenges: A review. <i>Neurocomputing</i> , 2022, 495, 129-152.	3.5	18
1150	Multi-defect segmentation from façade images using balanced copy-paste method. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 1434-1449.	6.3	12
1151	CXR-RefineDet: Single-Shot Refinement Neural Network for Chest X-Ray Radiograph Based on Multiple Lesions Detection. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-11.	1.1	7
1152	Detection of Martian dust storms using mask regional convolutional neural networks. <i>Progress in Earth and Planetary Science</i> , 2022, 9, .	1.1	4
1153	Anchor Points Based Accurate Fault Locating in Large-Scale Photovoltaic Plants via Aerial Infrared Videos. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 437-443.	1.5	4
1155	Detect Safety Net on the Construction Site Based on YOLO-v4. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 33-42.	0.3	2
1156	Age group classification and gender recognition from speech with temporal convolutional neural networks. <i>Multimedia Tools and Applications</i> , 2022, 81, 3535-3552.	2.6	10
1157	Mask or Non-Mask? Robust Face Mask Detector via Triplet-Consistency Representation Learning. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-20.	3.0	6
1158	How to Get the Most Out of U-Net for Glacier Calving Front Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 1712-1723.	2.3	9
1159	Citizen Science for Traffic Monitoring: Investigating the Potentials for Complementing Traffic Counters with Crowdsourced Data. <i>Sustainability</i> , 2022, 14, 622.	1.6	2
1160	Social Media-Based Intelligence for Disaster Response and Management in Smart Cities. <i>Springer Optimization and Its Applications</i> , 2022, , 211-235.	0.6	5
1161	HDL-PSR: Modelling Spatio-Temporal Features Using Hybrid Deep Learning Approach for Post-Stroke Rehabilitation. <i>Neural Processing Letters</i> , 2023, 55, 279-298.	2.0	36
1162	A Feature-Enriched Deep Convolutional Neural Network for JPEG Image Compression Artifacts Reduction and its Applications. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 430-444.	7.2	11
1163	Flipping food during grilling tasks, a dataset of utensils kinematics and dynamics, food pose and subject gaze. <i>Scientific Data</i> , 2022, 9, 5.	2.4	3
1164	A Survey on Masked Facial Detection Methods and Datasets for Fighting Against COVID-19. <i>IEEE Transactions on Artificial Intelligence</i> , 2022, 3, 323-343.	3.4	15
1165	The value of probabilistic forecasting in emergency medical resource planning under uncertainty. <i>Kybernetes</i> , 2023, 52, 1962-1975.	1.2	3



#	ARTICLE	IF	CITATIONS
1166	Recognition of NiCrAlY coating based on convolutional neural network. Npj Materials Degradation, 2022, 6, .	2.6	4
1167	Environment-Adaptable Printed-Circuit Board Positioning Using Deep Reinforcement Learning. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 382-390.	1.4	4
1168	Reinforcement learning based optimal decision making towards product lifecycle sustainability. International Journal of Computer Integrated Manufacturing, 2022, 35, 1269-1296.	2.9	4
1169	A comprehensive review of computer-aided whole-slide image analysis: from datasets to feature extraction, segmentation, classification and detection approaches. Artificial Intelligence Review, 2022, 55, 4809-4878.	9.7	77
1170	Object detection method for ship safety plans using deep learning. Ocean Engineering, 2022, 246, 110587.	1.9	13
1171	QuakeLabeler: A Fast Seismic Data Set Creation and Annotation Toolbox for AI Applications. Seismological Research Letters, 2022, 93, 997-1010.	0.8	2
1172	Accurate 3D reconstruction via fringe-to-phase network. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110663.	2.5	20
1173	MLFC-net: A multi-level feature combination attention model for remote sensing scene classification. Computers and Geosciences, 2022, 160, 105042.	2.0	10
1174	Development of Drowning Detection Algorithm for USV. Lecture Notes in Electrical Engineering, 2022, , 558-564.	0.3	0
1176	Automatic vehicle number plate detection and recognition systems: Survey and implementation. , 2022, , 125-139.		1
1177	Towards an Interpretable Autoencoder: A Decision-Tree-Based Autoencoder and its Application in Anomaly Detection. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 1048-1059.	3.7	15
1178	A Review of Yolo Algorithm Developments. Procedia Computer Science, 2022, 199, 1066-1073.	1.2	530
1179	Real-Time Monocular Joint Perception Network for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15864-15877.	4.7	6
1180	Recent trends in computer vision-driven scene understanding for VI/blind users: a systematic mapping. Universal Access in the Information Society, 2023, 22, 983-1005.	2.1	9
1181	Identification of honey bee (Apis mellifera) larvae in the hive with faster R-CNN for royal jelly production. Journal of Apicultural Research, 0, , 1-8.	0.7	1
1182	A self-attention network for smoke detection. Fire Safety Journal, 2022, 129, 103547.	1.4	16
1183	Probabilistic spatial analysis in quantitative microscopy with uncertainty-aware cell detection using deep Bayesian regression. Science Advances, 2022, 8, eabi8295.	4.7	3
1184	Deep Learning-Based Outdoor Object Detection Using Visible and Near-Infrared Spectrum. Multimedia Tools and Applications, 0, , 1.	2.6	1

#	ARTICLE	IF	CITATIONS
1185	Bin-Picking Solution for Randomly Placed Automotive Connectors Based on Machine Learning Techniques. Electronics (Switzerland), 2022, 11, 476.	1.8	10
1186	HRNET: AI-on-Edge for Mask Detection and Social Distancing Calculation. SN Computer Science, 2022, 3, 157.	2.3	4
1187	SeqSeg: A sequential method to achieve nasopharyngeal carcinoma segmentation free from background dominance. Medical Image Analysis, 2022, 78, 102381.	7.0	16
1188	Examination of blood samples using deep learning and mobile microscopy. BMC Bioinformatics, 2022, 23, 65.	1.2	6
1189	Intelligent monitoring method for tamping times during dynamic compaction construction using machine vision and pattern recognition. Measurement: Journal of the International Measurement Confederation, 2022, 193, 110835.	2.5	10
1190	Real-Time $\hat{I}$ -OTDR Vibration Event Recognition Based on Image Target Detection. Sensors, 2022, 22, 1127.	2.1	11
1191	Geometric algebra graph neural network for cross-domain few-shot classification. Applied Intelligence, 0, , 1.	3.3	5
1192	A promising deep learning-assistive algorithm for histopathological screening of colorectal cancer. Scientific Reports, 2022, 12, 2222.	1.6	45
1193	Downscaling of soil moisture products using deep learning: Comparison and analysis on Tibetan Plateau. Journal of Hydrology, 2022, 607, 127570.	2.3	25
1194	Truss member registration for implementing autonomous gripping in biped climbing robots. Automation in Construction, 2022, 136, 104146.	4.8	1
1195	Detection of objects in the images: from likelihood relationships towards scalable and efficient neural networks. Computer Optics, 2022, 46, .	1.3	51
1196	Optimizing the Experimental Method for Stomata-Profiling Automation of Soybean Leaves Based on Deep Learning. Plants, 2021, 10, 2714.	1.6	4
1197	TS-MULE: Local Interpretable Model-Agnostic Explanations for Time Series Forecast Models. Communications in Computer and Information Science, 2021, , 5-14.	0.4	9
1198	Fcos-Cba: An Fcos-Based Model for Accurate Detection and Segmentation of Obscured Green Fruits. SSRN Electronic Journal, 0, , .	0.4	0
1199	A Deep Learning Implementation of End-to-End Image Denoising Steganography Model. Lecture Notes in Electrical Engineering, 2022, , 139-151.	0.3	0
1200	Machine Learning Technology and Its Current Implementation in Agriculture. Springer Optimization and Its Applications, 2022, , 41-73.	0.6	1
1202	Dataset and Benchmarking of Real-Time Embedded Object Detection for RoboCup SSL. Lecture Notes in Computer Science, 2022, , 53-64.	1.0	4
1203	Wall Size Prediction from 2D Images with the Help of Reference Objects. Lecture Notes in Networks and Systems, 2022, , 925-933.	0.5	2

#	ARTICLE	IF	CITATIONS
1204	Incentivizing Semisupervised Vehicular Federated Learning: A Multidimensional Contract Approach With Bounded Rationality. IEEE Internet of Things Journal, 2022, 9, 18573-18588.	5.5	9
1205	QA-Filter: A QP-Adaptive Convolutional Neural Network Filter for Video Coding. IEEE Transactions on Image Processing, 2022, 31, 3032-3045.	6.0	9
1206	Research on Obstacle Detection and Avoidance of Autonomous Underwater Vehicle Based on Forward-Looking Sonar. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9198-9208.	7.2	29
1208	Local Correntropy Matrix Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	6
1209	LocateUAV: Unmanned Aerial Vehicle Location Estimation via Contextual Analysis in an IoT Environment. IEEE Internet of Things Journal, 2023, 10, 4021-4033.	5.5	11
1210	A Deep Learning Method Based on Partition Modeling Forreconstructing Temperature Field. SSRN Electronic Journal, 0, , .	0.4	0
1211	Camera-Based Light Emitter Localization Using Correlation of Optical Pilot Sequences. IEEE Access, 2022, 10, 24368-24382.	2.6	2
1212	Increasing Efficiency in Counting Number of Motorcycle with Object Relation Matching. , 2022, , .		1
1213	Pansharpener by Convolutional Neural Networks in the Full Resolution Framework. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	34
1216	Suspicious Activity Detection in Surveillance Applications Using Slow-Fast Convolutional Neural Network. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 647-658.	0.5	2
1219	Creating a Synthetic Data Generator for Solving Industrial Flaw Detection Problems Using Deep Learning Methods. Smart Innovation, Systems and Technologies, 2022, , 377-390.	0.5	0
1220	Machine learning approach to control and monitor people to prevent COVID-19. AIP Conference Proceedings, 2022, , .	0.3	0
1222	FaMaDAS: Face Mask Detection and Alert System for COVID 19 Outbreaks. Lecture Notes in Networks and Systems, 2022, , 419-428.	0.5	0
1224	RAILS: A Robust Adversarial Immune-Inspired Learning System. IEEE Access, 2022, 10, 22061-22078.	2.6	2
1225	Automated Surface Defect Detection in Metals: A Comparative Review of Object Detection and Semantic Segmentation Using Deep Learning. IEEE Transactions on Industry Applications, 2022, 58, 4203-4213.	3.3	40
1226	GMCAD: an original Synthetic Dataset of 2D Designs along their Geometrical and Mechanical Conditions. Procedia Computer Science, 2022, 200, 337-347.	1.2	4
1227	FireNN: Neural Networks Reliability Evaluation on Hybrid Platforms. IEEE Transactions on Emerging Topics in Computing, 2022, , 1-1.	3.2	9
1228	A method for detecting objects in dense scenes. Open Computer Science, 2022, 12, 75-82.	1.3	2

#	ARTICLE	IF	CITATIONS
1229	DS-P3SNet: An Efficient Classification Approach for Devanagari Script-Based P300 Speller Using Compact Channelwise Convolution and Knowledge Distillation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7431-7443.	5.9	3
1230	Resource-Aware Time Series Imaging Classification for Wireless Link Layer Anomalies. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8031-8043.	7.2	11
1231	Polarimetric SAR Despeckling With Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	6
1232	Deep PLS: A Lightweight Deep Learning Model for Interpretable and Efficient Data Analytics. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8923-8937.	7.2	8
1233	A Novel Object Detection Method in City Aerial Image Based on Deformable Convolutional Networks. IEEE Access, 2022, 10, 31455-31465.	2.6	5
1234	Faster YOLO-LITE: Faster Object Detection on Robot and Edge Devices. Lecture Notes in Computer Science, 2022, , 226-237.	1.0	4
1235	PWSNAS: Powering Weight Sharing NAS With General Search Space Shrinking Framework. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-14.	7.2	0
1236	Comparative Study on Deep Learning Methods for Apple Ripeness Estimation on Tree. Lecture Notes in Networks and Systems, 2022, , 1325-1340.	0.5	0
1237	LAME: Layout-Aware Metadata Extraction Approach for Research Articles. Computers, Materials and Continua, 2022, 72, 4019-4037.	1.5	2
1238	Detect Faces Efficiently: A Survey and Evaluations. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 1-18.	3.8	21
1239	Deep Learning for Object Detection and Segmentation in Videos: Toward an Integration With Domain Knowledge. IEEE Access, 2022, 10, 34562-34576.	2.6	4
1240	Detecting Tear Gas Canisters With Limited Training Data. , 2022, , .		0
1241	Estimate Yeast Replicative Lifespan from Time-lapse Microfluidic Images with Object Tracking and Lineage Analysis. , 2022, , .		0
1242	Active Fire Detection from Landsat-8 Imagery Using Deep Multiple Kernel Learning. Remote Sensing, 2022, 14, 992.	1.8	34
1243	Computer Code Representation through Natural Language Processing for fMRI Data Analysis. , 2022, , .		1
1244	Recent Advances of Deep Learning for Computational Histopathology: Principles and Applications. Cancers, 2022, 14, 1199.	1.7	37
1245	Automated defect detection in digital radiography of aerospace welds using deep learning. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 643-671.	1.3	21
1246	Palletizing Robot Positioning Bolt Detection Based on Improved YOLO-V3. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	2.0	13

#	ARTICLE	IF	CITATIONS
1247	A Video Analytics System for Person Detection Combined with Edge Computing. <i>Computation</i> , 2022, 10, 35.	1.0	8
1248	A Survey on Recent Advances in AI and Vision-Based Methods for Helping and Guiding Visually Impaired People. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2308.	1.3	6
1249	Automatic detection of falling hazard from surveillance videos based on computer vision and building information modeling. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 1049-1063.	2.0	8
1250	Tracking transients in steelpan strikes using surveillance technology. <i>JASA Express Letters</i> , 2022, 2, 023201.	0.5	0
1251	Classification of Diabetic Foot Ulcers Using Class Knowledge Banks. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 811028.	2.0	16
1252	Improving the model of object detection on aerial photographs and video in unmanned aerial systems. <i>Eastern-European Journal of Enterprise Technologies</i> , 2022, 1, 24-34.	0.3	5
1253	Moving Object Detection and Tracking by Event Frame from Neuromorphic Vision Sensors. <i>Biomimetics</i> , 2022, 7, 31.	1.5	12
1254	RainPredRNN: A New Approach for Precipitation Nowcasting with Weather Radar Echo Images Based on Deep Learning. <i>Axioms</i> , 2022, 11, 107.	0.9	15
1255	QuasiVSD: efficient dual-frame smoke detection. <i>Neural Computing and Applications</i> , 2022, 34, 8539-8550.	3.2	3
1256	Deep Autoencoder Multi-Exposure HDR Imaging. , 2022, , .		0
1257	Breast Cancer Mammograms Classification Using Deep Neural Network and Entropy-Controlled Whale Optimization Algorithm. <i>Diagnostics</i> , 2022, 12, 557.	1.3	35
1258	Target Detection by Target Simulation in X-ray Testing. <i>Journal of Nondestructive Evaluation</i> , 2022, 41, 1.	1.1	9
1259	Statistical Methods with Applications in Data Mining: A Review of the Most Recent Works. <i>Mathematics</i> , 2022, 10, 993.	1.1	3
1261	Unifying Obstacle Detection, Recognition, and Fusion Based on the Polarization Color Stereo Camera and LiDAR for the ADAS. <i>Sensors</i> , 2022, 22, 2453.	2.1	8
1262	Detecting Moving Trucks on Roads Using Sentinel-2 Data. <i>Remote Sensing</i> , 2022, 14, 1595.	1.8	1
1263	Mammogram breast cancer CAD systems for mass detection and classification: a review. <i>Multimedia Tools and Applications</i> , 2022, 81, 20043-20075.	2.6	36
1264	Point-of-Care Sample Preparation and Automated Quantitative Detection of <i>Schistosoma haematobium</i> Using Mobile Phone Microscopy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 106, 1442-1449.	0.6	11
1265	Automatic Ceiling Damage Detection in Large-Span Structures Based on Computer Vision and Deep Learning. <i>Sustainability</i> , 2022, 14, 3275.	1.6	11

#	ARTICLE	IF	CITATIONS
1266	On the Reliability of CNNs in Clinical Practice: A Computer-Aided Diagnosis System Case Study. Applied Sciences (Switzerland), 2022, 12, 3269.	1.3	6
1267	Automatic Detection of Osteochondral Lesions of the Talus via Deep Learning. Frontiers in Physics, 2022, 10, .	1.0	1
1268	Deep Learning for Smart Healthcare—A Survey on Brain Tumor Detection from Medical Imaging. Sensors, 2022, 22, 1960.	2.1	68
1269	Deep Learning Based Granularity Detection Network for Mine Dump Materials. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Qverlock 10 0,8 3	0.8	3
1270	Automated Video-Based Analysis Framework for Behavior Monitoring of Individual Animals in Zoos Using Deep Learning—A Study on Polar Bears. Animals, 2022, 12, 692.	1.0	13
1271	A Position Control System for a Single-port Laparoscopic Manipulating Robot. , 2022, , .		0
1272	Solid Waste Image Classification Using Deep Convolutional Neural Network. Infrastructures, 2022, 7, 47.	1.4	16
1273	Development and evaluation of a vision-based transfer learning approach for indoor fire and smoke detection. Building Services Engineering Research and Technology, 2022, 43, 319-332.	0.9	7
1274	Monitoring seasonal effects in vegetation areas with Sentinel-1 SAR and Sentinel-2 optic satellite images. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	2
1276	A Construction Kit for Efficient Low Power Neural Network Accelerator Designs. Transactions on Embedded Computing Systems, 2022, 21, 1-36.	2.1	0
1277	A two-stage multiresolution neural network for automatic diagnosis of hepatic echinococcosis from ultrasound images: A multicenter study. Medical Physics, 2022, 49, 3199-3212.	1.6	5
1278	Improved YOLO object detection algorithm to detect ripe pineapple phase. Journal of Intelligent and Fuzzy Systems, 2022, 43, 1365-1381.	0.8	4
1279	Deep learning framework for component identification. International Journal of Information Technology (Singapore), 2022, 14, 3301-3309.	1.8	3
1280	Blockchain for deep learning: review and open challenges. Cluster Computing, 2023, 26, 197-221.	3.5	40
1281	Analysis of three-dimensional potential problems in non-homogeneous media with physics-informed deep collocation method using material transfer learning and sensitivity analysis. Engineering With Computers, 2022, 38, 5423-5444.	3.5	31
1282	A Real-Time Method for Time-to-Collision Estimation from Aerial Images. Journal of Imaging, 2022, 8, 62.	1.7	5
1283	A novel <sc>3D</sc> convolutional neural network model with supervised spectral regression for recognition of hyperspectral images of colored wool fiber. Color Research and Application, 0, , .	0.8	0
1284	Survey on Videos Data Augmentation for Deep Learning Models. Future Internet, 2022, 14, 93.	2.4	18

#	ARTICLE	IF	CITATIONS
1285	A Sparsity-Limitation-Based High-Dimensional Distribution Searching Algorithm for Adversarial Attack. <i>Journal of Sensors</i> , 2022, 2022, 1-10.	0.6	0
1286	Design and Exploration of College English Reading, Writing, and Translation Teaching Classroom Based on Machine Learning. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-8.	0.8	1
1287	Dataset of Annotated Virtual Detection Line for Road Traffic Monitoring. <i>Data</i> , 2022, 7, 40.	1.2	1
1288	Using Artificial Intelligence for Assistance Systems to Bring Motor Learning Principles into Real World Motor Tasks. <i>Sensors</i> , 2022, 22, 2481.	2.1	0
1289	DeepSpectrumLite: A Power-Efficient Transfer Learning Framework for Embedded Speech and Audio Processing From Decentralized Data. <i>Frontiers in Artificial Intelligence</i> , 2022, 5, 856232.	2.0	14
1290	Comparison of the Performance of Artificial Intelligence Models Depending on the Labelled Image by Different User Levels. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3136.	1.3	5
1291	Tooth instance segmentation from cone-beam CT images through point-based detection and Gaussian disentanglement. <i>Multimedia Tools and Applications</i> , 2022, 81, 18327-18342.	2.6	5
1292	Automatic detection method of tunnel lining multi-defects via an enhanced You Only Look Once network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 762-780.	6.3	89
1293	Pedestrian safety using the Internet of Things and sensors: Issues, challenges, and open problems. <i>Future Generation Computer Systems</i> , 2022, 134, 187-203.	4.9	26
1294	Intelligent trademark recognition and similarity analysis using a two-stage transfer learning approach. <i>Advanced Engineering Informatics</i> , 2022, 52, 101567.	4.0	6
1295	A Deep Learning Method for Foot Progression Angle Detection in Plantar Pressure Images. <i>Sensors</i> , 2022, 22, 2786.	2.1	14
1296	Use of Commercial Satellite Imagery to Monitor Changing Arctic Polygonal Tundra. <i>Photogrammetric Engineering and Remote Sensing</i> , 2022, 88, 255-262.	0.3	1
1297	Multiscale Spatial-Spectral Interaction Transformer for Pan-Sharpener. <i>Remote Sensing</i> , 2022, 14, 1736.	1.8	17
1298	Deep learning-based automatic optical inspection system empowered by online multivariate autocorrelated process control. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 6143-6162.	1.5	2
1299	New concept for colonoscopy including side optics and artificial intelligence. <i>Gastrointestinal Endoscopy</i> , 2022, 95, 794-798.	0.5	6
1300	Full-Resolution Quality Assessment for Pansharpening. <i>Remote Sensing</i> , 2022, 14, 1808.	1.8	15
1301	A Real-Time Crowd Monitoring and Management System for Social Distance Classification and Healthcare Using Deep Learning. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-11.	1.1	11
1302	Human Detection in Aerial Thermal Images Using Faster R-CNN and SSD Algorithms. <i>Electronics (Switzerland)</i> , 2022, 11, 1151.	1.8	22

#	ARTICLE	IF	CITATIONS
1303	A Deep Learning Framework Performance Evaluation to Use YOLO in Nvidia Jetson Platform. Applied Sciences (Switzerland), 2022, 12, 3734.	1.3	23
1304	PCB Component Detection Using Computer Vision for Hardware Assurance. Big Data and Cognitive Computing, 2022, 6, 39.	2.9	13
1305	Application of Few-Shot Object Detection in Robotic Perception. Global Transitions Proceedings, 2022, , .	4.2	3
1306	Deep learning-based framework for segmentation of multiclass rib fractures in CT utilizing a multi-angle projection network. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1115-1124.	1.7	2
1307	Deep learning in food science: An insight in evaluating Pickering emulsion properties by droplets classification and quantification via object detection algorithm. Advances in Colloid and Interface Science, 2022, 304, 102663.	7.0	4
1308	Rapid Progress in Intelligent Radiotherapy and Future Implementation. Cancer Investigation, 2022, 40, 425-436.	0.6	6
1309	Exploring thermal images for object detection in underexposure regions for autonomous driving. Applied Soft Computing Journal, 2022, 121, 108793.	4.1	14
1310	UFS-Net: A unified flame and smoke detection method for early detection of fire in video surveillance applications using CNNs. Journal of Computational Science, 2022, 61, 101638.	1.5	27
1311	Tool path planning of consecutive free-form sheet metal stamping with deep learning. Journal of Materials Processing Technology, 2022, 303, 117530.	3.1	6
1312	Detection of remote sensing targets with angles via modified CenterNet. Computers and Electrical Engineering, 2022, 100, 107979.	3.0	4
1313	A survey of modern deep learning based object detection models. , 2022, 126, 103514.		362
1314	An overview of edge and object contour detection. Neurocomputing, 2022, 488, 470-493.	3.5	29
1315	DBGAN: A dual-branch generative adversarial network for undersampled MRI reconstruction. Magnetic Resonance Imaging, 2022, 89, 77-91.	1.0	8
1316	Intelligent disassembly of electric-vehicle batteries: a forward-looking overview. Resources, Conservation and Recycling, 2022, 182, 106207.	5.3	41
1317	Finger-vein presentation attack detection using depthwise separable convolution neural network. Expert Systems With Applications, 2022, 198, 116786.	4.4	18
1318	Generating Attribution Maps with Disentangled Masked Backpropagation. , 2021, , .		2
1319	Image fusion by considering multimodal partial deep neural networks for self driving during winter. , 2021, , .		1
1320	FloW: A Dataset and Benchmark for Floating Waste Detection in Inland Waters. , 2021, , .		30



#	ARTICLE	IF	CITATIONS
1321	AI-Assisted Activity Detection in K-6 Classroom Environments: A Preliminary Framework to Assist in Pedagogical Performance Evaluation. , 2021, , .		0
1322	Compressive Detection for Camera Array Images. , 2021, , .		0
1323	Object Detection with Shallow Feature Learning Network. , 2021, , .		1
1324	Full-Velocity Radar Returns by Radar-Camera Fusion. , 2021, , .		7
1325	A Two-Branch Feature Modulated Network for Single Image Deraining. , 2021, , .		0
1326	Efficient Object Detection using Deep Reinforcement Learning and Capsule Networks. , 2021, , .		1
1327	Implementation of a Multitudinous Face Recognition using YOLO.V3. , 2021, , .		0
1328	Adversarial Examples Detection and Analysis with Layer-wise Autoencoders. , 2021, , .		2
1329	Automatic Defect Recognition Method of Aluminium Profile Surface Defects. , 2021, , .		2
1330	Dynamic Target Tracking and Geospatial Transformation in Place-Based on DNN. , 2021, , .		0
1331	Prediction of Stock Price Using Statistical and Ensemble learning Models: A Comparative Study. , 2021, , .		2
1332	Improved Object Detection in Video Surveillance Using Deep Convolutional Neural Network Learning. , 2021, , .		4
1333	A Novel Tracking Algorithm Using Thermal and Optical Cameras Fused With mmWave Radar Sensor Data. IEEE Transactions on Consumer Electronics, 2021, 67, 372-382.	3.0	5
1334	Deep Learning Based Concealed Object Recognition in Active Millimeter Wave Imaging. , 2021, , .		2
1335	Vietnamese vehicles speed detection with video-based and deep learning for real-time traffic flow analysis system. , 2021, , .		0
1336	Monitor Social Distance Using Convolutional Neural Network and Image Transformation. , 2021, , .		0
1337	Research on Highly Efficient Deep Learning Engineering Teaching for Information Management and Information System Undergraduates. , 2021, , .		0
1338	Identifying and Analyze the Face Mask Detection for The Person During Covid. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1339	Gesture-Based Human Machine Interaction Using RCNNs in Limited Computation Power Devices. Sensors, 2021, 21, 8202.	2.1	1
1340	Sequential Convolutional Neural Network based Face Mask Detection. , 2021, , .		0
1341	Review of VQA : Datasets and Approaches. , 2021, , .		0
1342	Target Detection of Myrica rubra Based on Convolutional Neural Network and Transfer Learning. , 2021, , .		0
1344	Computer Vision-based Social Distancing Surveillance with Automated Camera Calibration for Large-scale Deployment. , 2021, , .		5
1345	A Hybrid Data Manipulation Approach for Energy and Latency-Efficient Vision-Aided UDNs. , 2021, , .		1
1346	Robust Hierarchical Data Association for Multiple Object Tracking Under Abrupt Appearance Changes. , 2021, , .		0
1347	A Technical Approach for Promotion of Yakshagana - A Literature Survey. International Journal of Case Studies in Business, IT, and Education, 0, , 239-267.	0.0	0
1348	Threshold-free Anomaly Detection for Streaming Time Series through Deep Learning. , 2021, , .		1
1349	Automatic Threat Detection Using Deep Neural Networks. , 2021, , .		0
1350	Stand-in Backdoor: A Stealthy and Powerful Backdoor Attack. , 2021, , .		0
1351	Automatic Evaluation of Piano Performances for STEAM Education. Applied Sciences (Switzerland), 2021, 11, 11783.	1.3	13
1352	A Fast and Accurate Approach to Multiple-Vehicle Localization and Tracking from Monocular Aerial Images. Journal of Imaging, 2021, 7, 270.	1.7	2
1353	HCNET: A Point Cloud Object Detection Network Based on Height and Channel Attention. Remote Sensing, 2021, 13, 5071.	1.8	7
1354	Deep Learning Model for Wind Forecasting: Classification Analyses for Temporal Meteorological Data. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 0, , 1.	0.7	0
1355	Size Does Matter: Overcoming Limitations during Training when using a Feature Pyramid Network. , 2021, , .		1
1356	Detection of Pine Cones in Natural Environment Using Improved YOLOv4 Deep Learning Algorithm. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	3
1357	Optimized convolutional neural network architectures for efficient on-device vision-based object detection. Neural Computing and Applications, 2022, 34, 10469-10501.	3.2	10

#	ARTICLE	IF	CITATIONS
1358	Automated Defect Recognition of Castings Defects Using Neural Networks. Journal of Nondestructive Evaluation, 2022, 41, 1.	1.1	11
1359	Diminishing Domain Bias by Leveraging Domain Labels in Object Detection on UAVs. , 2021, , .		9
1360	Autonomous Warehouse Robot using Deep Q-Learning. , 2021, , .		3
1361	Improved detection of small objects in road network sequences using <scp>CNN</scp> and super resolution. Expert Systems, 2022, 39, .	2.9	8
1362	A comparative study of a combinatorial machine learning approach to face detection using a very small training dataset. , 2021, , .		0
1363	On Salient Concrete Crack Detection Via Improved Yolov5. , 2021, , .		3
1364	Mobile Application Framework for Monitoring Target Heart Rate Zone During Physical Exercise Using Deep Learning. , 2021, , .		1
1365	FPGA based Implementation of Binarized Neural Network for Sign Language Application. , 2021, , .		1
1366	Fire Detection Method in Smart City Environments Using a Deep-Learning-Based Approach. Electronics (Switzerland), 2022, 11, 73.	1.8	47
1367	Structurally re-parameterized rotation detector for arbitrary-oriented objects in high-resolution remote sensing images. International Journal of Remote Sensing, 2022, 43, 241-269.	1.3	3
1368	A Deep Learning-Based Generalized System for Detecting Pine Wilt Disease Using RGB-Based UAV Images. Remote Sensing, 2022, 14, 150.	1.8	19
1369	Object-Text Detection and Recognition System. , 2021, , .		0
1370	B-Line Detection and Localization in Lung Ultrasound Videos Using Spatiotemporal Attention. Applied Sciences (Switzerland), 2021, 11, 11697.	1.3	8
1371	Social Distancing Violation Detection Using Pre-Trained Object Detection Models. , 2021, , .		2
1372	Efficient 1D Barcode Localization Method for Imagery Shipping Label Using Deep Learning Models. , 2021, , .		0
1373	COMPONENTS DETECTION USING FASTER REGIONAL-BASED CONVOLUTIONAL NEURAL NETWORK. I-manager's Journal on Pattern Recognition, 2021, 8, 1.	0.3	0
1374	Comparative Analysis of YOLOv4 and YOLOv4-tiny Techniques towards Face Mask Detection. , 2021, , .		4
1375	Online Monitoring for Non-Stationary Operation via a Collaborative Neural Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	1

#	ARTICLE	IF	CITATIONS
1376	Pharmaceutical Foreign Particle Detection: An Efficient Method Based on Adaptive Convolution and Multiscale Attention. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1302-1313.	3.4	2
1377	Supervised Learning in Multilayer Spiking Neural Networks With Spike Temporal Error Backpropagation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10141-10153.	7.2	10
1378	Millimeter Wave FMCW RADARs for Perception, Recognition and Localization in Automotive Applications: A Survey. IEEE Transactions on Intelligent Vehicles, 2022, 7, 533-555.	9.4	36
1379	A Review on Artificial Intelligence for Electrocardiogram Signal Analysis. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 38-72.	0.3	1
1381	Comparison of KNN, ANN, CNN and YOLO algorithms for detecting the accurate traffic flow and build an Intelligent Transportation System. , 2022, , .		5
1382	Focal Dice Loss-Based V-Net for Liver Segments Classification. Applied Sciences (Switzerland), 2022, 12, 3247.	1.3	10
1383	BUSnet: A Deep Learning Model of Breast Tumor Lesion Detection for Ultrasound Images. Frontiers in Oncology, 2022, 12, 848271.	1.3	7
1384	New Metric for Evaluation of Deep Neural Network Applied in Vision-Based Systems. Applied Sciences (Switzerland), 2022, 12, 3251.	1.3	1
1385	Auto-CSC: A Transfer Learning Based Automatic Cell Segmentation and Count Framework. Cyborg and Bionic Systems, 2022, 2022, .	3.7	10
1386	Potential and impact of artificial intelligence algorithms in dento-maxillofacial radiology. Clinical Oral Investigations, 2022, 26, 5535-5555.	1.4	15
1387	Toward an artificial intelligence-assisted framework for reconstructing the digital twin of vertebra and predicting its fracture response. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3601.	1.0	11
1388	Deep Learning-Based Algal Detection Model Development Considering Field Application. Water (Switzerland), 2022, 14, 1275.	1.2	19
1389	Automated diagnosis of schistosomiasis by using faster R-CNN for egg detection in microscopy images prepared by the Kato-Katz technique. Neural Computing and Applications, 2022, 34, 9025-9042.	3.2	2
1390	Emerging artificial intelligence methods for fighting lung cancer: A survey. Clinical EHealth, 2022, 5, 19-34.	4.1	6
1391	An intelligent threats solution for object detection and resource perspective rectification of distorted anomaly identification card images in cloud environments. Applied Intelligence, 2023, 53, 385-404.	3.3	1
1392	Editorial: Special Issue on Recent Advances in Cognitive Learning and Data Analysis. Cognitive Computation, 0, , 1.	3.6	0
1393	Perturb more, trap more: Understanding behaviors of graph neural networks. Neurocomputing, 2022, 493, 59-75.	3.5	2
1394	An accurate detection and segmentation model of obscured green fruits. Computers and Electronics in Agriculture, 2022, 197, 106984.	3.7	13

#	ARTICLE	IF	CITATIONS
1395	A novel real-time multiple objects detection and tracking framework for different challenges. AEJ - Alexandria Engineering Journal, 2022, 61, 9637-9647.	3.4	11
1396	Applications of computer vision and machine learning techniques for digitized herbarium specimens: A systematic literature review. Ecological Informatics, 2022, 69, 101641.	2.3	13
1397	Development of a Machine Learning-Based Cysticidal Assay and Identification of an Amebicidal and Cysticidal Marine Microbial Metabolite against <i>Acanthamoeba</i> . Microbiology Spectrum, 2022, 10, e0007722.	1.2	4
1398	Bounding Box-Free Instance Segmentation Using Semi-Supervised Iterative Learning for Vehicle Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3403-3420.	2.3	13
1399	A proof of concept for providing traffic data by AI based computer vision as a basis for smarter industrial areas. Procedia Computer Science, 2022, 201, 239-246.	1.2	0
1401	IPARS: An Image-based Personalized Advertisement Recommendation System on Social Networks. Procedia Computer Science, 2022, 201, 375-382.	1.2	1
1402	Image Understanding With Reinforcement Learning: Auto-Tuning Image Attributes and Model Parameters for Object Detection and Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6671-6685.	5.6	3
1404	Deep Learning Algorithms for Object Detection—A Study. Smart Innovation, Systems and Technologies, 2022, , 65-75.	0.5	1
1405	Object Detection in Railway Track using Deep Learning Techniques. Lecture Notes in Networks and Systems, 2022, , 107-115.	0.5	1
1406	On the Detection of Unauthorized Drones—Techniques and Future Perspectives: A Review. IEEE Sensors Journal, 2022, 22, 11439-11455.	2.4	33
1407	Wearable Supernumerary Robotic Limb System Using a Hybrid Control Approach Based on Motor Imagery and Object Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1298-1309.	2.7	15
1408	Monitoring Maritime Traffic with Ship Detection via YOLOv4. , 2022, , .		2
1409	Fast Particle Picking For Cryo-Electron Tomography Using One-Stage Detection. , 2022, , .		2
1410	Scientific Applications of Machine Learning Algorithms. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2022, , 78-111.	0.5	0
1411	Computer Vision-Based Smart Agriculture Storage with Quality and Quantity Analysis and Recipe Suggestion. , 2022, , .		0
1412	Generate adversarial examples by adaptive moment iterative fast gradient sign method. Applied Intelligence, 2023, 53, 1101-1114.	3.3	6
1413	Semantic Understandings for Aerial Images via Multigrained Feature Grouping. Scientific Programming, 2022, 2022, 1-12.	0.5	3
1414	Machine learning techniques for robotic and autonomous inspection of mechanical systems and civil infrastructure. Autonomous Intelligent Systems, 2022, 2, .	2.0	17

#	ARTICLE	IF	CITATIONS
1415	Detection and mapping of agriculture seasonal variations with deep learning-based change detection using Sentinel-2 data. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	4
1416	AI Based COVID Pneumonia Classifier Using Machine Learning. <i>ECS Transactions</i> , 2022, 107, 7289-7298.	0.3	1
1417	Co-Yudh: A Convolutional Neural Network (CNN)-Inspired Platform for COVID Handling and Awareness. <i>SN Computer Science</i> , 2022, 3, 241.	2.3	3
1418	Design and Application of a Fault Diagnosis and Monitoring System for Electric Vehicle Charging Equipment Based on Improved Deep Belief Network. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1544-1560.	1.6	6
1419	Tools, techniques, datasets and application areas for object detection in an image: a review. <i>Multimedia Tools and Applications</i> , 2022, 81, 38297-38351.	2.6	45
1420	Visual Identification of Mobile App GUI Elements for Automated Robotic Testing. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-14.	1.1	4
1421	A generalized image quality improvement strategy of cone-beam CT using multiple spectral CT labels in Pix2pix GAN. <i>Physics in Medicine and Biology</i> , 2022, 67, 115003.	1.6	4
1422	An Optimized Object Detection System using You Only Look Once Algorithm and Compare with Deep Neural Networks with increased. , 2022, , .		1
1423	Attention classification-and-segmentation network for micro-crack anomaly detection of photovoltaic module cells. <i>Solar Energy</i> , 2022, 238, 291-304.	2.9	7
1424	Improvement of Lightweight Convolutional Neural Network Model Based on YOLO Algorithm and Its Research in Pavement Defect Detection. <i>Sensors</i> , 2022, 22, 3537.	2.1	32
1425	YOLOv5-Based Vehicle Detection Method for High-Resolution UAV Images. <i>Mobile Information Systems</i> , 2022, 2022, 1-11.	0.4	13
1426	Asymmetric exponential loss function for crack segmentation. <i>Multimedia Systems</i> , 2023, 29, 539-552.	3.0	2
1427	Decoding of raman spectroscopy-encoded suspension arrays based on the detail constraint cycle domain adaptive model. <i>Journal of Innovative Optical Health Sciences</i> , 0, , .	0.5	0
1428	Measuring inter-individual differences in behavioural types of gilthead seabreams in the laboratory using deep learning. <i>PeerJ</i> , 2022, 10, e13396.	0.9	3
1429	Applications of artificial neural networks in microorganism image analysis: a comprehensive review from conventional multilayer perceptron to popular convolutional neural network and potential visual transformer. <i>Artificial Intelligence Review</i> , 2023, 56, 1013-1070.	9.7	57
1430	Medical deep learning-A systematic meta-review. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106874.	2.6	76
1431	Computer-Aided Depth Video Stream Masking Framework for Human Body Segmentation in Depth Sensor Images. <i>Sensors</i> , 2022, 22, 3531.	2.1	8
1432	Deep learning-based detection from the perspective of small or tiny objects: A survey. <i>Image and Vision Computing</i> , 2022, 123, 104471.	2.7	51

#	ARTICLE	IF	CITATIONS
1433	Automatic estimation of rice grain number based on a convolutional neural network. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 1034.	0.8	3
1434	Azimuth-Sensitive Object Detection of High-Resolution SAR Images in Complex Scenes by Using a Spatial Orientation Attention Enhancement Network. Remote Sensing, 2022, 14, 2198.	1.8	10
1435	Neuroplasticity-Based Pruning Method for Deep Convolutional Neural Networks. Applied Sciences (Switzerland), 2022, 12, 4945.	1.3	0
1436	Multiple attentional path aggregation network for marine object detection. Applied Intelligence, 2023, 53, 2434-2451.	3.3	24
1437	Postural behavior recognition of captive nocturnal animals based on deep learning: a case study of Bengal slow loris. Scientific Reports, 2022, 12, 7738.	1.6	2
1438	LioNets: a neural-specific local interpretation technique exploiting penultimate layer information. Applied Intelligence, 2023, 53, 2538-2563.	3.3	3
1439	Urban rail transit obstacle detection based on Improved R-CNN. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111277.	2.5	16
1440	Convolutional neural network forecasting of European Union allowances futures using a novel unconstrained transformation method. Energy Economics, 2022, 110, 106049.	5.6	29
1441	Multi-view data fusion in multi-object tracking with probability density-based ordered weighted aggregation. Optik, 2022, 262, 169279.	1.4	7
1442	Multimodal super-resolution reconstruction of infrared and visible images via deep learning. Optics and Lasers in Engineering, 2022, 156, 107078.	2.0	25
1443	Incremental multi-target domain adaptation for object detection with efficient domain transfer. Pattern Recognition, 2022, 129, 108771.	5.1	11
1444	A practical Deep Learning approach to assist COVID-19 detection based on Chest X-ray images. , 2021, , .		0
1445	Perception and Navigation in Autonomous Systems in the Era of Learning: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9604-9624.	7.2	25
1446	Transformer-Based Anchor-Free Detection of Concealed Objects in Passive Millimeter Wave Images. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-16.	2.4	9
1447	Collision Avoidance Predictive Motion Planning Based on Integrated Perception and V2V Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9640-9653.	4.7	14
1448	Where and What. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-22.	2.5	3
1449	GHFormer-Net: Towards more accurate small green apple/begonia fruit detection in the nighttime. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4421-4432.	2.7	4
1450	Application of Convolutional Neural Network-Based Detection Methods in Fresh Fruit Production: A Comprehensive Review. Frontiers in Plant Science, 2022, 13, .	1.7	10

#	ARTICLE	IF	CITATIONS
1451	Data Augmentation Using Bitplane Information Recombination Model. IEEE Transactions on Image Processing, 2022, 31, 3713-3725.	6.0	3
1452	Efficient Fused-Attention Model for Steel Surface Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, , 1-1.	2.4	27
1453	SparseVoxNet: 3-D Object Recognition With Sparsely Aggregation of 3-D Dense Blocks. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 532-546.	7.2	0
1455	Using Artificial Intelligence to Facilitate Assembly Automation in High-Mix Low-Volume Production Scenario. Procedia CIRP, 2022, 107, 1029-1034.	1.0	2
1456	Anomalous Trajectory Detection for Automated Traffic Video Surveillance. Lecture Notes in Computer Science, 2022, , 173-182.	1.0	1
1457	Transfer Learning-Based Neuronal Cell Instance Segmentation With Pointwise Attentive Path Fusion. IEEE Access, 2022, 10, 54794-54804.	2.6	2
1459	Towards Disturbance Rejection in Feature Pyramid Network. IEEE Transactions on Artificial Intelligence, 2023, 4, 946-958.	3.4	2
1460	SaDiTect: Dirt Detection in Salt Using YOLOv3. , 2022, , .		0
1461	Model for deep learning-based skill transfer in an assembly process. Advanced Engineering Informatics, 2022, 52, 101643.	4.0	1
1462	Implementing Haar Cascade Classifiers for Automated Rapid Detection of Light Aircraft at Local Airports. , 2022, , .		1
1463	A shape-guided deep residual network for automated CT lung segmentation. Knowledge-Based Systems, 2022, 250, 108981.	4.0	7
1464	Classification of Underwater Fish Images and Videos via Very Small Convolutional Neural Networks. Journal of Marine Science and Engineering, 2022, 10, 736.	1.2	11
1465	SAR Image Matching Based on Local Feature Detection and Description Using Convolutional Neural Network. Security and Communication Networks, 2022, 2022, 1-14.	1.0	4
1466	Object Detection Methods for Improving Smart City Safety. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2022, , 228-247.	0.2	0
1467	Enabling Improved Learning Capability of Industrial Robots with Knowledge Graph Towards Intelligent Digital Twins. , 2022, , .		1
1468	Multi-Scale Feature Fusion Convolutional Neural Network for Indoor Small Target Detection. Frontiers in Neurorobotics, 2022, 16, .	1.6	65
1469	Controlling the initiating time of ventilation facilities by spatial analytic method. Journal of Building Engineering, 2022, 54, 104488.	1.6	2
1470	Deep learning object detection in materials science: Current state and future directions. Computational Materials Science, 2022, 211, 111527.	1.4	20



#	ARTICLE	IF	CITATIONS
1472	Machine Learning Based Smart Parking Management for Intelligent Transportation Systems. SSRN Electronic Journal, 0, , .	0.4	1
1473	Simulation-Aided Handover Prediction From Video Using Recurrent Image-to-Motion Networks. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 494-506.	7.2	3
1474	Detection of Multi-column Text in Related Sequence Using Object Detection Technique. Lecture Notes in Networks and Systems, 2022, , 621-629.	0.5	1
1475	Detecting Marine Organisms Via Joint Attention-Relation Learning for Marine Video Surveillance. IEEE Journal of Oceanic Engineering, 2022, 47, 959-974.	2.1	3
1478	Deep learning as a tool for ecology and evolution. Methods in Ecology and Evolution, 2022, 13, 1640-1660.	2.2	55
1479	In Vivo Detection of Plaque Erosion by Intravascular Optical Coherence Tomography Using Artificial Intelligence. Biomedical Optics Express, 0, , .	1.5	4
1480	Automatically Guided Selection of a Set of Underwater Calibration Images. Journal of Marine Science and Engineering, 2022, 10, 741.	1.2	0
1481	Spatial Differentiation of Pond Landscapes across an Urban-Rural Gradient in the Pearl River Delta Region. Water (Switzerland), 2022, 14, 1637.	1.2	1
1482	Resource-constrained FPGA implementation of YOLOv2. Neural Computing and Applications, 2022, 34, 16989-17006.	3.2	8
1483	Machine-Learning Approach for Automatic Detection of Wild Beluga Whales from Hand-Held Camera Pictures. Sensors, 2022, 22, 4107.	2.1	5
1484	Research on License Plate Location Algorithm Based on YOLOv5. Journal of Physics: Conference Series, 2022, 2278, 012040.	0.3	3
1485	Quantitative Analysis of Visual Representation of Sign Elements in COVID-19 Context. Empirical Studies of the Arts, 2023, 41, 31-51.	0.9	3
1486	Benchmarking Object Detection Deep Learning Models in Embedded Devices. Sensors, 2022, 22, 4205.	2.1	5
1487	Material measurement units for a circular economy: Foundations through a review. Sustainable Production and Consumption, 2022, 32, 833-850.	5.7	3
1488	GeoAI: a review of artificial intelligence approaches for the interpretation of complex geomatics data. Geoscientific Instrumentation, Methods and Data Systems, 2022, 11, 195-218.	0.6	5
1489	Machine learning approaches for biomolecular, biophysical, and biomaterials research. Biophysics Reviews, 2022, 3, .	1.0	6
1490	A 3D-CAE-CNN model for Deep Representation Learning of 3D images. Engineering Applications of Artificial Intelligence, 2022, 113, 104978.	4.3	8
1491	Enriching geometric digital twins of buildings with small objects by fusing laser scanning and AI-based image recognition. Automation in Construction, 2022, 140, 104375.	4.8	33

#	ARTICLE	IF	CITATIONS
1492	Application Note: ¼Polar - An Interactive 2D Visualization Tool for Microscopic Time-Series Images. , 2021, , .		0
1493	RF Transmitter Identification and Classification Based on Deep Residual Shrinkage Network. , 2021, , .		1
1494	Personalized decision support for cardiology based on deep learning: an overview. , 2022, , 45-75.		0
1495	LiDAR-Based Obstacle Detection and Distance Estimation in Navigation Assistance for Visually Impaired. Lecture Notes in Computer Science, 2022, , 479-491.	1.0	2
1496	Intrusion Detection and Repellent System for Wild Animals Using Artificial Intelligence of Things. , 2022, , .		8
1497	Low Cost Delta Robot for the Experimental Validation of Frame Vibration Reduction Methods. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2022, , 332-339.	0.3	1
1498	Analysis and Comparison of Datasets by Leveraging Data Distributions in Latent Spaces. , 2022, , 107-126.		3
1499	Smart Crop Growth Monitoring Based on System Adaptivity and Edge AI. IEEE Access, 2022, 10, 64114-64125.	2.6	5
1501	Dynamic Scene's Laser Localization by NeuroV-Based Moving Objects Detection and LiDAR Points Evaluation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	5
1502	Insect detection from imagery using YOLOv3-based adaptive feature fusion convolution network. Crop and Pasture Science, 2023, 74, 615-627.	0.7	15
1503	A Multiple Object Recognition Approach via DenseNet-161 Model. , 2022, , 39-64.		1
1504	Real-Time Illegal Parking Detection Algorithm in Urban Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20572-20587.	4.7	7
1505	Enhanced Spatial Feature Learning for Weakly Supervised Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 961-972.	7.2	6
1506	Graph-in-Graph Convolutional Network for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1157-1171.	7.2	24
1507	Forest-Fire Response System Using Deep-Learning-Based Approaches With CCTV Images and Weather Data. IEEE Access, 2022, 10, 66061-66071.	2.6	23
1508	SaveLives - A Real-Time Threat Detection System. , 2022, , .		0
1509	Cloud based Distributed Parallel Processing for Deep Learning based Real-time Person Detection in an AI Middleware for Smart City. The Journal of Korean Institute of Information Technology, 2022, 20, 9-19.	0.1	0
1510	Object Detection with Audio Comments using YOLO v3. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
1511	Training a Disaster Victim Detection Network for UAV Search and Rescue Using Harmonious Composite Images. <i>Remote Sensing</i> , 2022, 14, 2977.	1.8	14
1512	Fast Location and Recognition of Green Apple Based on RGB-D Image. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
1513	A light defect detection algorithm of power insulators from aerial images for power inspection. <i>Neural Computing and Applications</i> , 2022, 34, 17951-17961.	3.2	10
1514	Face Mask Detection. <i>International Journal of Advanced Research in Science, Communication and Technology</i> , 0, , 202-209.	0.0	0
1515	Detection of Weeds Growing in Alfalfa Using Convolutional Neural Networks. <i>Agronomy</i> , 2022, 12, 1459.	1.3	12
1516	Intelligent evaluation for lens optical performance based on machine vision. <i>Optics Express</i> , 2022, 30, 26251.	1.7	2
1517	Hybrid U-Net based deep learning model for volume segmentation of lung nodules in CT images. <i>Medical Physics</i> , 2022, 49, 7287-7302.	1.6	5
1518	EAAE: A Generative Adversarial Mechanism Based Classification Method for Small-scale Datasets. <i>Neural Processing Letters</i> , 2023, 55, 969-987.	2.0	1
1519	Fast four-dimensional cone-beam computed tomography reconstruction using deformable convolutional networks. <i>Medical Physics</i> , 2022, 49, 6461-6476.	1.6	4
1520	Industrial cylinder liner defect detection using a transformer with a block division and mask mechanism. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1521	CVFont: Synthesizing Chinese Vector Fonts via Deep Layout Inferring. <i>Computer Graphics Forum</i> , 2022, 41, 212-225.	1.8	0
1522	A Novel Effective Vehicle Detection Method Based on Swin Transformer in Hazy Scenes. <i>Mathematics</i> , 2022, 10, 2199.	1.1	10
1523	Edge artificial intelligence camera network: an efficient object detection and tracking framework. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	2
1524	Development of a Slow Loris Computer Vision Detection Model. <i>Animals</i> , 2022, 12, 1553.	1.0	2
1525	Object detection based on multi-modal adaptive fusion using YOLOv3. <i>Journal of Applied Remote Sensing</i> , 2022, 16, .	0.6	0
1526	Visual Object Detection with DETR to Support Video-Diagnosis Using Conference Tools. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5977.	1.3	9
1527	Open Source Assessment of Deep Learning Visual Object Detection. <i>Sensors</i> , 2022, 22, 4575.	2.1	2
1528	Attention mechanism-based deep learning method for hairline fracture detection in hand X-rays. <i>Neural Computing and Applications</i> , 2022, 34, 18773-18785.	3.2	6

#	ARTICLE	IF	CITATIONS
1529	Recent Deep Learning Methodology Development for RNA-RNA Interaction Prediction. Symmetry, 2022, 14, 1302.	1.1	2
1530	Convolutional Shrinkage Neural Networks Based Model-Agnostic Meta-Learning for Few-Shot Learning. Neural Processing Letters, 2023, 55, 505-518.	2.0	6
1531	The study of coal gangue segmentation for location and shape predicts based on multispectral and improved Mask R-CNN. Powder Technology, 2022, 407, 117655.	2.1	13
1532	Development of an autonomous fog computing platform using control-theoretic approach for robot-vision applications. Robotics and Autonomous Systems, 2022, 155, 104158.	3.0	2
1533	A tomographic workflow to enable deep learning for X-ray based foreign object detection. Expert Systems With Applications, 2022, 206, 117768.	4.4	4
1534	MStrans: Multiscale Vision Transformer for Aerial Objects Detection. IEEE Access, 2022, 10, 75971-75985.	2.6	1
1535	Various Frameworks for IoT-Enabled Intelligent Waste Management System Using ML for Smart Cities. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 797-817.	0.5	6
1536	An Asymmetric Parallel Residual Convolutional Neural Network for Pen-Holding Gesture Recognition. Communications in Computer and Information Science, 2022, , 321-333.	0.4	1
1537	Object Detection Based on Deep Learning and B-Spline Level Set in Color Images. IEEE Access, 2022, 10, 74841-74849.	2.6	3
1539	Infrastructure-Based Pedestrian Risk Tagging Methodology to Support AV Risk Assessment. IEEE Access, 2022, 10, 71462-71480.	2.6	1
1544	High-Speed Multilevel Binary Imaging CMOS Image Sensor for Object Feature Extraction. IEEE Sensors Journal, 2022, 22, 15934-15943.	2.4	2
1546	Preparing infection detection technology for hospital at home after lower limb external fixation. Digital Health, 2022, 8, 205520762211095.	0.9	1
1547	Knowledge Distillation Using Hierarchical Self-Supervision Augmented Distribution. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2094-2108.	7.2	4
1548	Computer Vision Enabled Building Digital Twin Using Building Information Model. IEEE Transactions on Industrial Informatics, 2023, 19, 2684-2692.	7.2	31
1549	Secured Convolutional Layer IP Core in Convolutional Neural Network Using Facial Biometric. IEEE Transactions on Consumer Electronics, 2022, 68, 291-306.	3.0	4
1551	Modified YOLOv4 Framework with Thermal Images for Pedestrian Detection. , 2022, , .		3
1552	Efficient online testing for DNN-enabled systems using surrogate-assisted and many-objective optimization. , 2022, , .		22
1553	Video Objects Detection Using Deep Convolutional Neural Networks. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1554	Atlas Fusion - Modern Framework for Autonomous Agent Sensor Data Fusion. , 2022, , .		1
1555	An improved U-Net for cell confluence estimation. Optoelectronics Letters, 2022, 18, 378-384.	0.4	0
1556	VPPlus: Exploring the Potentials of Video Processing for Live Video Analytics at the Edge. , 2022, , .		2
1557	Detection of River Plastic Using UAV Sensor Data and Deep Learning. Remote Sensing, 2022, 14, 3049.	1.8	16
1558	A Combined Method for Object Detection under Rain Conditions Using Deep Learning. , 2022, , .		2
1559	YOLOF-Snake: An Efficient Segmentation Model for Green Object Fruit. Frontiers in Plant Science, 0, 13, .	1.7	5
1560	Machine learning techniques to characterize functional traits of plankton from image data. Limnology and Oceanography, 2022, 67, 1647-1669.	1.6	28
1561	Development of a deep wavelet pyramid scene parsing semantic segmentation network for scene perception in indoor environments. Journal of Ambient Intelligence and Humanized Computing, 0, , .	3.3	0
1562	Prediction and Optimization of Process Parameters for Composite Thermoforming Using a Machine Learning Approach. Polymers, 2022, 14, 2838.	2.0	3
1563	Deep Metric Learning-Based Strawberry Disease Detection With Unknowns. Frontiers in Plant Science, 0, 13, .	1.7	5
1564	Deep learning methods for object detection in smart manufacturing: A survey. Journal of Manufacturing Systems, 2022, 64, 181-196.	7.6	41
1566	Crude Oil Leakage Detection Based on DAâ€œSR Framework. Advanced Theory and Simulations, 2022, 5, .	1.3	4
1567	Towards Proactive Surveillance through CCTV Cameras under Edge-Computing and Deep Learning. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	0
1568	Efficient Design of Low Bitwidth Convolutional Neural Networks on FPGA with Optimized Dot Product Units. ACM Transactions on Reconfigurable Technology and Systems, 2023, 16, 1-36.	1.9	1
1569	Deep learning-based on-line image analysis for continuous industrial crystallization processes. Particuology, 2023, 74, 173-183.	2.0	5
1570	A Lightweight Sea Surface Object Detection Network for Unmanned Surface Vehicles. Journal of Marine Science and Engineering, 2022, 10, 965.	1.2	8
1571	A review on anchor assignment and sampling heuristics in deep learning-based object detection. Neurocomputing, 2022, 506, 96-116.	3.5	5
1572	Marvin: An Innovative Omni-Directional Robotic Assistant for Domestic Environments. Sensors, 2022, 22, 5261.	2.1	16

#	ARTICLE	IF	CITATIONS
1573	Intelligent Detection of Parcels Based on Improved Faster R-CNN. Applied Sciences (Switzerland), 2022, 12, 7158.	1.3	5
1574	Using Deep Learning with Thermal Imaging for Human Detection in Heavy Smoke Scenarios. Sensors, 2022, 22, 5351.	2.1	18
1575	Metamaterials: From fundamental physics to intelligent design. , 2023, 2, 5-29.		30
1576	A case study of utilizing YOLO based quantitative detection algorithm for marine benthos. Ecological Informatics, 2022, 70, 101603.	2.3	8
1577	MFDetection: A highly generalized object detection network unified with multilevel heterogeneous image fusion. Optik, 2022, 266, 169599.	1.4	6
1578	Augmented Reality and Artificial Intelligence in industry: Trends, tools, and future challenges. Expert Systems With Applications, 2022, 207, 118002.	4.4	48
1579	Automatically recognizing the semantic elements from UML class diagram images. Journal of Systems and Software, 2022, 193, 111431.	3.3	5
1580	An unsupervised learning framework for detecting adaptive cruise control operated vehicles in a vehicle trajectory data. Expert Systems With Applications, 2022, 208, 118060.	4.4	5
1581	A Comprehensive Report on Machine Learning-based Early Detection of Alzheimer's Disease using Multi-modal Neuroimaging Data. ACM Computing Surveys, 2023, 55, 1-44.	16.1	23
1582	Realtime Vehicle Counting Method Using Haar Cascade Classifier Model. , 2021, , .		2
1583	Prediction of viral-host interactions of COVID-19 by computational methods. Chemometrics and Intelligent Laboratory Systems, 2022, 228, 104622.	1.8	1
1584	A flexible three-dimensional heterophase computed tomography hepatocellular carcinoma detection algorithm for generalizable and practical screening. Hepatology Communications, 2022, 6, 2901-2913.	2.0	5
1585	SNNFD, spiking neural segmentation network in frequency domain using high spatial resolution images for building extraction. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102930.	0.9	10
1586	Long-Distance Vehicle Dynamic Detection and Positioning Based on Gm-APD Lidar and LIDAR-YOLO. IEEE Sensors Journal, 2022, 22, 17113-17125.	2.4	7
1587	Multiple Object Tracking (Mot) of Vehicles to Solve Vehicle Occlusion Problems Using Deepsort and Quantum Computing. SSRN Electronic Journal, 0, , .	0.4	0
1588	Act-Cbir: Detecting and Retrieving Actions in Still Images. SSRN Electronic Journal, 0, , .	0.4	0
1589	Towards Single-Pass and Transferable GAN-Based Attacks Against Object Detectors. SSRN Electronic Journal, 0, , .	0.4	0
1590	Koopman-Based MPC With Learned Dynamics: Hierarchical Neural Network Approach. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3630-3639.	7.2	2

#	ARTICLE	IF	CITATIONS
1592	Lunar Rover Localization Using Craters as Landmarks. , 2022, , .		7
1593	Dynamic penetration test based on YOLOv5. , 2022, , .		0
1594	Grey Scale Image Skeletonization of Vein Pattern using Hausdroff Image Binarization technique in Biometric Security System. , 2022, , .		0
1595	draw2code: AI based Auto Web Page Generation from Hand-drawn Page Mock-up. , 2022, , .		0
1596	State Estimation for Power System Based on Graph Neural Network. , 2022, , .		5
1597	An Efficient Method for Identification of Liquid Samples in Hospitals and Medical Labs. , 2022, , .		1
1598	Blind Non-Uniform Motion Deblurring using Atrous Spatial Pyramid Deformable Convolution and Deblurring-Reblurring Consistency. , 2022, , .		3
1599	Object Detection for Connected and Autonomous Vehicles using CNN with Attention Mechanism. , 2022, , .		2
1600	Holistic Approach to Measure Sample-level Adversarial Vulnerability and its Utility in Building Trustworthy Systems. , 2022, , .		2
1601	Detection of Two-Wheeler Traffic Rule Violation Using Deep Learning. , 2022, , .		3
1602	Towards smart surveillance as an aftereffect of COVID-19 outbreak for recognition of face masked individuals using YOLOv3 algorithm. Multimedia Tools and Applications, 2023, 82, 8381-8403.	2.6	7
1603	Performance Improvement of Image-Reconstruction-Based Defense against Adversarial Attack. Electronics (Switzerland), 2022, 11, 2372.	1.8	0
1604	Optimisation of Deep Learning Small-Object Detectors with Novel Explainable Verification. Sensors, 2022, 22, 5596.	2.1	2
1605	Automatic Vehicle Identification and Classification Model Using the YOLOv3 Algorithm for a Toll Management System. Sustainability, 2022, 14, 9163.	1.6	18
1606	Research on the Simulation Test Method of Autonomous Driving Vehicle Based on Cloud Platform. , 2022, , .		1
1607	YOLO Based Bridge Surface Defect Detection Using Decoupled Prediction. , 2022, , .		5
1608	Comparison of Different Convolutional Neural Network Activation Functions and Methods for Building Ensembles for Small to Midsize Medical Data Sets. Sensors, 2022, 22, 6129.	2.1	12
1609	A Novel YOLOv5-based Anomalous Object Detection Algorithm in Buses. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1610	A Review of Vision-Laser-Based Civil Infrastructure Inspection and Monitoring. <i>Sensors</i> , 2022, 22, 5882.	2.1	15
1611	Malaria parasites detection and identification using object detectors based on deep neural networks: a wide comparative analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2023, 11, 351-368.	1.3	2
1612	Facial Mask Detection Using Image Processing with Deep Learning. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-10.	0.6	0
1613	Custom CornerNet: a drone-based improved deep learning technique for large-scale multiclass pest localization and classification. <i>Complex &amp; Intelligent Systems</i> , 2023, 9, 1299-1316.	4.0	10
1614	Using optical flow algorithm based on dynamic illumination mode to examine defects on highly reflective turbine blade surface. <i>IET Image Processing</i> , 0, , .	1.4	0
1615	Animal Detection and Classification from Camera Trap Images Using Different Mainstream Object Detection Architectures. <i>Animals</i> , 2022, 12, 1976.	1.0	17
1616	Dual-Branch Discrimination Network Using Multiple Sparse Priors for Image Deblurring. <i>Sensors</i> , 2022, 22, 6216.	2.1	0
1617	A Deep Learning Framework for Grocery Product Detection and Recognition. <i>Food Analytical Methods</i> , 2022, 15, 3498-3522.	1.3	6
1618	YOLO-Submarine Cable: An Improved YOLO-V3 Network for Object Detection on Submarine Cable Images. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 1143.	1.2	11
1619	Multiple Mechanisms to Strengthen the Ability of YOLOv5s for Real-Time Identification of Vehicle Type. <i>Electronics (Switzerland)</i> , 2022, 11, 2586.	1.8	6
1620	COVID-19: Social distancing monitoring using faster-RCNN and YOLOv3 algorithms. <i>Multimedia Tools and Applications</i> , 2023, 82, 7553-7566.	2.6	5
1622	Nemo: An Open-Source Transformer-Supercharged Benchmark for Fine-Grained Wildfire Smoke Detection. <i>Remote Sensing</i> , 2022, 14, 3979.	1.8	5
1623	Deep Neural Network Framework Based on Word Embedding for Protein Glutarylation Sites Prediction. <i>Life</i> , 2022, 12, 1213.	1.1	7
1624	Seeing is caring – automated assessment of resource use of broilers with computer vision techniques. <i>Frontiers in Animal Science</i> , 0, 3, .	0.8	2
1625	Nature-Inspired Search Method and Custom Waste Object Detection and Classification Model for Smart Waste Bin. <i>Sensors</i> , 2022, 22, 6176.	2.1	6
1626	Artificial intelligence in the radiomic analysis of glioblastomas: A review, taxonomy, and perspective. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	9
1627	Developing Object Detection Models for Camera Applications in Smart Poultry Farms. , 2022, , .		2
1628	An Artificial Intelligence Dataset for Solar Energy Locations in India. <i>Scientific Data</i> , 2022, 9, .	2.4	6



#	ARTICLE	IF	CITATIONS
1629	IR-Net: An improved RetinaNet-based ship detection detector. , 0, 7, 305-312.		0
1630	Linear leaky-integrate-and-fire neuron model based spiking neural networks and its mapping relationship to deep neural networks. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	6
1631	Geospatial Intelligence and Artificial Intelligence for Detecting Potential Coca Paste Production Infrastructure in the Border Region of Venezuela and Colombia. <i>Journal of Applied Security Research</i> , 0, , 1-51.	0.8	1
1632	Automatic recognition of parasitic products in stool examination using object detection approach. <i>PeerJ Computer Science</i> , 0, 8, e1065.	2.7	7
1633	Application of machine vision for tool condition monitoring and tool performance optimizationâ€”a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 7057-7086.	1.5	16
1634	A Semi-Supervised Learning Approach for Automatic Detection and Fashion Product Category Prediction with Small Training Dataset Using FC-YOLOv4. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8068.	1.3	2
1635	A comprehensive review of methods based on deep learning for diabetes-related foot ulcers. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	7
1636	GRAN: graph recurrent attention network for pedestrian orientation classification. <i>Complex &amp; Intelligent Systems</i> , 2023, 9, 891-908.	4.0	1
1638	QoC-Driven MEC Transfer System Framework in Wireless Networks. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-14.	0.8	1
1639	Development of Deep Learning Methodology for Maize Seed Variety Recognition Based on Improved Swin Transformer. <i>Agronomy</i> , 2022, 12, 1843.	1.3	17
1640	Tactile Sensor-based Object Recognition Method Robust to Gripping Conditions Using Fast Fourier Convolution Algorithm. <i>The Journal of Korea Robotics Society</i> , 2022, 17, 365-372.	0.2	0
1641	Multi-view density-based field-road classification for agricultural machinery: DBSCAN and object detection. <i>Computers and Electronics in Agriculture</i> , 2022, 200, 107263.	3.7	6
1642	Smoke detection in video using convolutional neural networks and efficient spatio-temporal features. <i>Applied Soft Computing Journal</i> , 2022, 128, 109496.	4.1	11
1643	Integrating features from lymph node stations for metastatic lymph node detection. <i>Computerized Medical Imaging and Graphics</i> , 2022, 101, 102108.	3.5	1
1644	An effective litchi detection method based on edge devices in a complex scene. <i>Biosystems Engineering</i> , 2022, 222, 15-28.	1.9	9
1645	Aircraft detection in satellite imagery using deep learning-based object detectors. <i>Microprocessors and Microsystems</i> , 2022, 94, 104630.	1.8	6
1646	Towards automatic waste containers management in cities via computer vision: containers localization and geo-positioning in city maps. <i>Waste Management</i> , 2022, 152, 59-68.	3.7	11
1647	Optimized 1D-CNN model for medicinal Psyllium Husk crop mapping with temporal optical satellite data. <i>Ecological Informatics</i> , 2022, 71, 101772.	2.3	3

#	ARTICLE	IF	CITATIONS
1648	Deep learning for manufacturing sustainability: Models, applications in Industry 4.0 and implications. International Journal of Information Management Data Insights, 2022, 2, 100107.	6.5	19
1649	A deep learning method based on partition modeling for reconstructing temperature field. International Journal of Thermal Sciences, 2022, 182, 107802.	2.6	10
1650	An Ontology Based Multilayer Perceptron for Object Detection. Computer Systems Science and Engineering, 2023, 44, 2065-2080.	1.9	1
1651	ResDO-UNet: A deep residual network for accurate retinal vessel segmentation from fundus images. Biomedical Signal Processing and Control, 2023, 79, 104087.	3.5	44
1652	Route Planning for Autonomous Transmission of Large Sport Utility Vehicle. Computer Systems Science and Engineering, 2023, 45, 659-669.	1.9	0
1653	YOLOv5-Fog: A Multiobjective Visual Detection Algorithm for Fog Driving Scenes Based on Improved YOLOv5. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	19
1654	New Insights into Turbulent Spots. Annual Review of Fluid Mechanics, 2023, 55, 45-75.	10.8	4
1655	Optimal estimation of broiler movement for commercial tracking. Smart Agricultural Technology, 2023, 3, 100113.	3.1	2
1656	Facial Gesture Controlled Low-Cost Meal Assistance Manipulator System with Real-Time Food Detection. Lecture Notes in Computer Science, 2022, , 222-231.	1.0	1
1657	Dispersed Pixel Perturbation-Based Imperceptible Backdoor Trigger for Image Classifier Models. IEEE Transactions on Information Forensics and Security, 2022, 17, 3091-3106.	4.5	4
1658	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
1659	Automatic Detection of Aquatic Weeds: A Case Study in the Guadiana River, Spain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 8567-8585.	2.3	6
1660	A Feature Decomposition-Based Method for Automatic Ship Detection Crossing Different Satellite SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	14
1661	An Efficient Approach of Vehicle Detection Based on Deep Learning Algorithms and Wireless Sensors Networks. International Journal of Software Innovation, 2022, 10, 1-16.	0.3	5
1662	Event-Based Object Detection and Tracking - A Traffic Monitoring Use Case. Lecture Notes in Computer Science, 2022, , 95-106.	1.0	0
1663	DeepSeg: Deep Segmental Denoising Neural Network for Seismic Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3397-3404.	7.2	14
1664	Light-SDNet: A Lightweight CNN Architecture for Ship Detection. IEEE Access, 2022, 10, 86647-86662.	2.6	5
1665	Development of Aiot System for Facility Asparagus Cultivation. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1666	Recent Advances in Conventional and Deep Learning-Based Depth Completion: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3395-3415.	7.2	5
1667	Visual Error Constraint Free Visual Servoing Using Novel Switched Part Jacobian Control. IEEE Access, 2022, 10, 103669-103693.	2.6	2
1668	Feature Distillation Siamese Networks for Object Tracking. SSRN Electronic Journal, 0, , .	0.4	0
1669	Pedestrian Detection with Anchor-Free and FPN Enhanced Deep Learning Approach. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 501-512.	0.5	1
1670	Assessing the Performance of Yolov5 Algorithm for Detecting Volunteer Cotton Plants in Corn Fields at Three Different Growth Stages. SSRN Electronic Journal, 0, , .	0.4	0
1671	A Systematic Literature Review on the Use of Deep Learning in Precision Livestock Detection and Localization Using Unmanned Aerial Vehicles. IEEE Access, 2022, 10, 80071-80091.	2.6	14
1672	Behavior Cloning-Based Robot Active Object Detection With Automatically Generated Data and Revision Method. IEEE Transactions on Robotics, 2022, , 1-16.	7.3	0
1673	Localizing Anatomical Landmarks in Ocular Images Using Zoom-In Attentive Networks. Lecture Notes in Computer Science, 2022, , 94-104.	1.0	1
1674	Artificial Eye for the Visually Impaired. Lecture Notes in Electrical Engineering, 2022, , 667-676.	0.3	0
1675	3D Time-of-Flight Camera Based Face Mask Recognition Using Facial Contour and Artificial Neural Network. , 2022, , .		0
1676	Multiscale Fusion Network for Rural Newly Constructed Building Detection in Unmanned Aerial Vehicle Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9160-9173.	2.3	0
1677	Wedge Angle and Direction Detection of Multi-opening Object Using Deep Learning. , 2022, , .		1
1678	Accelerating On-Device DNN Training Workloads via Runtime Convergence Monitor. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 1574-1587.	1.9	0
1679	Development of an End-to-End Deep Learning Framework for Sign Language Recognition, Translation, and Video Generation. IEEE Access, 2022, 10, 104358-104374.	2.6	22
1680	Can AI Replace Conventional Markerless Tracking? A Comparative Performance Study for Mobile Augmented Reality Based on Artificial Intelligence. Lecture Notes in Computer Science, 2022, , 161-177.	1.0	0
1681	A Fine-Grained Attention Model for High Accuracy Operational Robot Guidance. IEEE Internet of Things Journal, 2023, 10, 1066-1081.	5.5	3
1682	Real-Time Object Detection and Recognition Using Fixed-Wing LALE VTOL UAV. IEEE Sensors Journal, 2022, 22, 20738-20747.	2.4	11
1683	An Oriented SAR Ship Detector With Mixed Convolution Channel Attention Module and Geometric Nonmaximum Suppression. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 8074-8084.	2.3	6

#	ARTICLE	IF	CITATIONS
1684	A Study on Video Analytics and Their Performance Analysis for Various Object Detection Algorithms. , 2022, , .		1
1685	TemporalNet: Real-time 2D-3D Video Object Detection. , 2022, , .		1
1686	Image Based Vehicle-Trailer Angle Estimation. , 2022, , .		0
1687	DetectorDetective: Investigating the Effects of Adversarial Examples on Object Detectors. , 2022, , .		2
1688	VGQ-CNN: Moving Beyond Fixed Cameras and Top-Grasps for Grasp Quality Prediction. , 2022, , .		3
1689	ROS-Industrial based robotic cell for Industry 4.0: Eye-in-hand stereo camera and visual servoing for flexible, fast, and accurate picking and hooking in the production line. Robotics and Computer-Integrated Manufacturing, 2023, 80, 102453.	6.1	10
1690	A Multi-objective Evolutionary Approach for Efficient Kernel Size and Shape for CNN. , 2022, , .		0
1691	Enhanced Vehicle Re-identification for ITS: A Feature Fusion approach using Deep Learning. , 2022, , .		2
1692	Target Detection in Multispectral Images via Detail Enhanced Pansharpening. , 2022, , .		1
1693	Prediction of Sea Surface Current Velocity and Direction using Gated Recurrent Unit (GRU). , 2022, , .		0
1694	YOLO Algorithm Implementation for Real Time Object Detection and Tracking. , 2022, , .		0
1695	A Deep Learning Solution for Height Reconstruction in SAR Tomography. , 2022, , .		1
1696	Deep Learning Based Overcomplete Representations for Paddy Rice Crop and Weed Segmentation. , 2022, , .		3
1697	Study of Resin Zipper Defect Detection Algorithm Based on Deep Learning. , 2022, , .		0
1698	A Garbage Recognition Algorithm Based on YoloX Using in Flood Control System. , 2022, , .		1
1699	Improve Semantic Segmentation of High-Resolution Remote Sensing Imagery with RS-TTA. , 2022, , .		0
1700	Study on the Lightweighting Strategy of Target Detection Model with Deep Learning. Advances in Multimedia, 2022, 2022, 1-10.	0.2	2
1701	An annotated image database of building facades categorized into land uses for object detection using deep learning. Machine Vision and Applications, 2022, 33, .	1.7	2

#	ARTICLE	IF	CITATIONS
1702	Foreign Object Detection in Railway Images Based on an Efficient Two-Stage Convolutional Neural Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.1	4
1703	A Review and Implementation of Object Detection Models and Optimizations for Real-time Medical Mask Detection during the COVID-19 Pandemic. , 2022, , .		1
1704	Image Semantic Segmentation of Underwater Garbage with Modified U-Net Architecture Model. Sensors, 2022, 22, 6546.	2.1	3
1705	Predicting real-time fire heat release rate by flame images and deep learning. Proceedings of the Combustion Institute, 2023, 39, 4115-4123.	2.4	20
1706	Brand Logo Detection Using Slim YOLO-V4. Lecture Notes in Networks and Systems, 2023, , 67-76.	0.5	0
1707	BFP Net: Balanced Feature Pyramid Network for Small Apple Detection in Complex Orchard Environment. Plant Phenomics, 2022, 2022, .	2.5	15
1708	High-Accuracy Detection and Classification of Defect and Deformation of Metal Screw Head Achieved by Convolutional Neural Networks. Applied Mechanics and Materials, 0, 909, 75-80.	0.2	1
1709	A Novel Computer Vision Model for Medicinal Plant Identification Using Log-Gabor Filters and Deep Learning Algorithms. Computational Intelligence and Neuroscience, 2022, 2022, 1-21.	1.1	6
1711	Miniscule Object Detection in Aerial Images Using YOLOR: A Review. Algorithms for Intelligent Systems, 2023, , 697-708.	0.5	0
1712	Deep Learning in Left and Right Footprint Image Detection Based on Plantar Pressure. Applied Sciences (Switzerland), 2022, 12, 8885.	1.3	5
1713	Registration of multi-modal images under a complex background combining multiscale features extraction and semantic segmentation. Optics Express, 2022, 30, 35596.	1.7	0
1714	A Lightweight and Accurate UAV Detection Method Based on YOLOv4. Sensors, 2022, 22, 6874.	2.1	5
1715	Semantic Metadata for Image Files. , 2022, , .		0
1716	Deep Learning in Cell Image Analysis. , 2022, 2022, .		8
1717	ReSTiNet: On Improving the Performance of Tiny-YOLO-Based CNN Architecture for Applications in Human Detection. Applied Sciences (Switzerland), 2022, 12, 9331.	1.3	8
1718	AdaCB: An Adaptive Gradient Method with Convergence Range Bound of Learning Rate. Applied Sciences (Switzerland), 2022, 12, 9389.	1.3	0
1719	The effect of environment on housing prices: Evidence from the Google Street View. Journal of Forecasting, 2023, 42, 288-311.	1.6	2
1721	MPIGÎ€Terminal defect detection based on Mâ€FRCNN. IET Image Processing, 2023, 17, 428-438.	1.4	1

#	ARTICLE	IF	CITATIONS
1722	Brain inspired neuronal silencing mechanism to enable reliable sequence identification. Scientific Reports, 2022, 12, .	1.6	1
1723	An Improved YOLOV5 Based on Triplet Attention and Prediction Head Optimization for Marine Organism Detection on Underwater Mobile Platforms. Journal of Marine Science and Engineering, 2022, 10, 1230.	1.2	10
1724	A Low-Altitude Remote Sensing Inspection Method on Rural Living Environments Based on a Modified YOLOv5s-ViT. Remote Sensing, 2022, 14, 4784.	1.8	5
1725	AutoNav: A Lane and Object Detection Model for Self-Driving Cars. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 231-245.	0.5	0
1726	Deep learning approaches and interventions for futuristic engineering in agriculture. Neural Computing and Applications, 2022, 34, 20539-20573.	3.2	18
1727	LENS: Bandwidth-efficient video analytics with adaptive super resolution. Computer Networks, 2022, 218, 109392.	3.2	0
1728	From compressive sampling to compressive tasking: retrieving semantics in compressed domain with low bandwidth. Photonix, 2022, 3, .	5.5	10
1729	Multi-level object detection by multi-sensor perception of traffic scenes. Neurocomputing, 2022, 514, 486-499.	3.5	3
1730	Face mask detection and social distance monitoring system for COVID-19 pandemic. Multimedia Tools and Applications, 2023, 82, 14135-14152.	2.6	3
1731	Identifying acute ischemic stroke patients within the thrombolytic treatment window using deep learning. Journal of Neuroimaging, 2022, 32, 1153-1160.	1.0	7
1732	Detecting and learning city intersection traffic contexts for autonomous vehicles. , 2022, 1, 213-239.		1
1733	Acne Detection by Ensemble Neural Networks. Sensors, 2022, 22, 6828.	2.1	6
1734	Image Segmentation for Defect Analysis in Laser Powder Bed Fusion: Deep Data Mining of X-Ray Photography from Recent Literature. Integrating Materials and Manufacturing Innovation, 2022, 11, 418-432.	1.2	3
1735	Design and Implementation of HD Mapping, Vehicle Control, and V2I Communication for Robo-Taxi Services. Sensors, 2022, 22, 7049.	2.1	2
1736	DCNet: DenseNet-77-based CornerNet model for the tomato plant leaf disease detection and classification. Frontiers in Plant Science, 0, 13, .	1.7	15
1737	Attention transfer from human to neural networks for road object detection in winter. IET Image Processing, 2022, 16, 3544-3556.	1.4	1
1738	DVS: A Drone Video Synopsis towards Storing and Analyzing Drone Surveillance Data in Smart Cities. Systems, 2022, 10, 170.	1.2	7
1739	Integrated design of an aerial soft-continuum manipulator for predictive maintenance. Frontiers in Robotics and AI, 0, 9, .	2.0	1

#	ARTICLE	IF	CITATIONS
1740	Ship detection based on deep learning using SAR imagery: a systematic literature review. <i>Soft Computing</i> , 2023, 27, 63-84.	2.1	25
1741	An improved entity recognition approach to cyber-social knowledge provision of intellectual property using a CRF-LSTM model. <i>Pattern Recognition Letters</i> , 2022, 163, 145-151.	2.6	5
1742	YOLO-Fish: A robust fish detection model to detect fish in realistic underwater environment. <i>Ecological Informatics</i> , 2022, 72, 101847.	2.3	31
1743	Object detection in hyperspectral images. , 2022, 131, 103752.		8
1744	Indoor fire detection utilizing computer vision-based strategies. <i>Journal of Building Engineering</i> , 2022, 61, 105154.	1.6	20
1747	Mutually Reinforcing Structure with Proposal Contrastive Consistency for Few-Shot Object Detection. <i>Lecture Notes in Computer Science</i> , 2022, , 400-416.	1.0	2
1748	Detection Beyond What and Where: A Benchmark for Detecting Occlusion State. <i>Lecture Notes in Computer Science</i> , 2022, , 464-476.	1.0	3
1749	Monocular depth-based visual tracker for gait recognition. <i>Procedia Computer Science</i> , 2022, 207, 205-214.	1.2	0
1750	Region-Based Multiple Object Tracking with LSTM Supported Trajectories. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 60-72.	0.2	0
1751	A Large-Scale Multiple-objective Method for Black-box Attack Against Object Detection. <i>Lecture Notes in Computer Science</i> , 2022, , 619-636.	1.0	5
1752	SSBNet: Improving Visual Recognition Efficiency by Adaptive Sampling. <i>Lecture Notes in Computer Science</i> , 2022, , 229-244.	1.0	0
1753	Dual Attention-Guided Network for Anchor-Free Apple Instance Segmentation in Complex Environments. <i>Lecture Notes in Computer Science</i> , 2022, , 533-545.	1.0	0
1754	Template-Based Category-Agnostic Instance Detection for Robotic Manipulation. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 12451-12458.	3.3	1
1755	Deep learning detector for high precision monitoring of cell encapsulation statistics in microfluidic droplets. <i>Lab on A Chip</i> , 2022, 22, 4067-4080.	3.1	16
1756	Deep Learning for Palmprint Detection and Alignment on Biometric Systems. , 2022, , 287-302.		0
1757	Smart Adware and Product Recommendation using Object Detection. , 2022, , .		0
1758	Unsupervised Domain Adaptive Object Detection Based on Frequency Domain Adjustment and Pixel-Level Feature Fusion. , 2022, , .		1
1759	Surface Defect Detection of Aluminum Material based on Deep Learning. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1760	From Mushroom-Peaches to Disease Prediction: Deep Learning Approaches. , 2022, , .		0
1761	Real-Time Driver Drowsiness Detection System Using Dlib based on Driver Eye/Mouth Monitoring Technology. Communications in Mathematics and Applications, 2022, 13, 807-822.	0.1	1
1762	Detection of Unsorted Metal Components for Robot Bin Picking Using an Inexpensive RGB-D Sensor. , 2022, , .		0
1763	Performance Evaluation of Data Augmentation for Object Detection in XView Dataset. , 2022, , .		0
1764	Performance Comparison of Various YOLO Architectures on Object Detection of UAV Images. , 2022, , .		5
1765	Real-Time Aerodrome Detection Using Deep Learning Methods. , 2022, , .		0
1766	Performance Analysis of Deep Learning Models for Sweet Potato Image Recognition. , 2022, , .		0
1767	Risk-aware Real-time Object Detection. , 2022, , .		1
1768	UPC-Faster-RCNN: A Dynamic Self-Labeling Algorithm for Open-Set Object Detection Based on Unknown Proposal Clustering. , 2022, , .		0
1769	Maritime Object Detection based on YOLOx for Aviation Image. , 2022, , .		0
1770	Deep learning-based phenotyping for genome wide association studies of sudden death syndrome in soybean. Frontiers in Plant Science, 0, 13, .	1.7	7
1771	A Stacking Ensemble Learning Method to Classify the Patterns of Complex Road Junctions. ISPRS International Journal of Geo-Information, 2022, 11, 523.	1.4	2
1772	Detection Method of Marine Biological Objects Based on Image Enhancement and Improved YOLOv5S. Journal of Marine Science and Engineering, 2022, 10, 1503.	1.2	7
1773	Preschool Education Based on Computer Information Technology Literacy and Big Data. Journal of Sensors, 2022, 2022, 1-10.	0.6	3
1774	An Ontological Knowledge Base of Poisoning Attacks on Deep Neural Networks. Applied Sciences (Switzerland), 2022, 12, 11053.	1.3	2
1775	Human-Centered Navigation and Person-Following with Omnidirectional Robot for Indoor Assistance and Monitoring. Robotics, 2022, 11, 108.	2.1	5
1776	Visual Navigation Algorithm for Night Landing of Fixed-Wing Unmanned Aerial Vehicle. Aerospace, 2022, 9, 615.	1.1	4
1777	Exploration of motion inhibition for the suppression of false positives in biologically inspired small target detection algorithms from a moving platform. Biological Cybernetics, 2022, 116, 661-685.	0.6	1



#	ARTICLE	IF	CITATIONS
1778	Foveated 3D Range Geometry Compression via Loss-Tolerant Variable Precision Depth Encoding. Applied Optics, 0, , .	0.9	0
1779	Codling Moth Monitoring with Camera-Equipped Automated Traps: A Review. Agriculture (Switzerland), 2022, 12, 1721.	1.4	10
1780	How Much Should You Care About Algorithmic Transparency as Manipulation?. Philosophy and Technology, 2022, 35, .	2.6	3
1781	Deep Learning for Landslide Detection and Segmentation in High-Resolution Optical Images along the Sichuan-Tibet Transportation Corridor. Remote Sensing, 2022, 14, 5490.	1.8	4
1782	Modeling and Statistical Analysis of Vision Distance Measurement Uncertainty for Multi-Automotive Sensor Target Tracking. , 2022, , .		1
1783	Benchmarking Performance of Object Detection Under Image Distortions in an Uncontrolled Environment. , 2022, , .		2
1784	Binary residual feature pyramid network: An improved feature fusion module based on double-channel residual pyramid structure for autonomous detection algorithm. IET Intelligent Transport Systems, 2023, 17, 1288-1301.	1.7	2
1786	A Hard Voting Policy-Driven Deep Learning Architectural Ensemble Strategy for Industrial Products Defect Recognition and Classification. Sensors, 2022, 22, 7846.	2.1	4
1787	StaticPigDet: Accuracy Improvement of Static Camera-Based Pig Monitoring Using Background and Facility Information. Sensors, 2022, 22, 8315.	2.1	2
1788	Detecting Maritime Obstacles Using Camera Images. Journal of Marine Science and Engineering, 2022, 10, 1528.	1.2	5
1789	A Proper Orthogonal Decomposition Approach for Parameters Reduction of Single Shot Detector Networks. , 2022, , .		1
1790	In-Sensor Neural Network Preprocessing for ADAS Computer Systems. , 2022, , .		1
1791	How Resilient Are Deep Learning Models in Medical Image Analysis? The Case of the Moment-Based Adversarial Attack (Mb-AdA). Biomedicines, 2022, 10, 2545.	1.4	3
1792	Vision-Based Autonomous Landing for the UAV: A Review. Aerospace, 2022, 9, 634.	1.1	14
1793	Real-Time Oil Leakage Detection on Aftermarket Motorcycle Damping System with Convolutional Neural Networks. Sensors, 2022, 22, 7951.	2.1	0
1794	Research of Maritime Object Detection Method in Foggy Environment Based on Improved Model SRC-YOLO. Sensors, 2022, 22, 7786.	2.1	4
1795	VirtuaLotâ€”A Case Study on Combining UAS Imagery and Terrestrial Video with Photogrammetry and Deep Learning to Track Vehicle Movement in Parking Lots. Remote Sensing, 2022, 14, 5451.	1.8	0
1797	Identification of binary neutron star mergers in gravitational-wave data using object-detection machine learning models. Physical Review D, 2022, 106, .	1.6	6

#	ARTICLE	IF	CITATIONS
1798	A survey on deep learning applications in wheat phenotyping. Applied Soft Computing Journal, 2022, 131, 109761.	4.1	3
1799	YOLO-LRDD: a lightweight method for road damage detection based on improved YOLOv5s. Eurasip Journal on Advances in Signal Processing, 2022, 2022, .	1.0	21
1800	Glacier Boundary Mapping Using Deep Learning Classification over Bara Shigri Glacier in Western Himalayas. Sustainability, 2022, 14, 13485.	1.6	11
1801	Fast and Non-Destructive Quail Egg Freshness Assessment Using a Thermal Camera and Deep Learning-Based Air Cell Detection Algorithms for the Revalidation of the Expiration Date of Eggs. Sensors, 2022, 22, 7703.	2.1	2
1802	Recent Reviews on Dynamic Target Detection Based on Vision. Recent Patents on Engineering, 2023, 17, .	0.3	1
1803	Design and implementation of real-time object detection system based on single-shoot detector and OpenCV. Frontiers in Psychology, 0, 13, .	1.1	7
1804	Social density detection for suckling piglets based on convolutional neural network combined with local outlier factor algorithm. Computers and Electronics in Agriculture, 2022, 202, 107423.	3.7	3
1805	High performance inference of gait recognition models on embedded systems. Sustainable Computing: Informatics and Systems, 2022, 36, 100814.	1.6	1
1806	Goal selection and feedback for solving math word problems. Applied Intelligence, 2023, 53, 14744-14758.	3.3	1
1807	A computationally efficient crack detection approach based on deep learning assisted by stockwell transform and linear discriminant analysis. Structures, 2022, 45, 1962-1970.	1.7	2
1808	A hybrid learning model for efficient classification of Land Use and land change from satellite images. Physics and Chemistry of the Earth, 2022, 128, 103284.	1.2	1
1809	Advances in deep learning-based image recognition of product packaging. Image and Vision Computing, 2022, 128, 104571.	2.7	5
1810	Image-based time series forecasting: A deep convolutional neural network approach. Neural Networks, 2023, 157, 39-53.	3.3	9
1811	Using Context-Guided data Augmentation, lightweight CNN, and proximity detection techniques to improve site safety monitoring under occlusion conditions. Safety Science, 2023, 158, 105958.	2.6	12
1812	Learning to automatically spectate games for Esports using object detection mechanism. Expert Systems With Applications, 2023, 213, 118979.	4.4	2
1813	Swin transformer based vehicle detection in undisciplined traffic environment. Expert Systems With Applications, 2023, 213, 118992.	4.4	11
1814	An Improved Algorithm for Wind Turbine Blade Defect Detection. IEEE Access, 2022, 10, 122171-122181.	2.6	6
1815	VizWiz-FewShot: Locating Objects in Images Taken by People with Visual Impairments. Lecture Notes in Computer Science, 2022, , 575-591.	1.0	3

#	ARTICLE	IF	CITATIONS
1816	Image classification using disease classifier model for doctors and hospitals. AIP Conference Proceedings, 2022, , .	0.3	0
1817	Detection of Road Objects Based on Camera Sensors for Autonomous Driving in Various Traffic Situations. IEEE Sensors Journal, 2022, 22, 24253-24263.	2.4	7
1818	Helmet Detection System for Motorcycle Riders with Explainable Artificial Intelligence Using Convolutional Neural Network and Grad-CAM. Lecture Notes in Computer Science, 2022, , 40-51.	1.0	1
1819	Short-Term Load Forecasting Based on Improved TCN and DenseNet. IEEE Access, 2022, 10, 115945-115957.	2.6	13
1820	Edge-Cooperative Privacy-Preserving Object Detection Over Random Point Cloud Shares for Connected Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24979-24990.	4.7	4
1821	Fast-Yolo-Rec: Incorporating Yolo-Base Detection and Recurrent-Base Prediction Networks for Fast Vehicle Detection in Consecutive Images. IEEE Access, 2022, 10, 120592-120605.	2.6	18
1822	Effect of varying training epochs of a Faster Region-Based Convolutional Neural Network on the Accuracy of an Automatic Weed Classification Scheme. Smart Agricultural Technology, 2023, 3, 100128.	3.1	11
1823	An Efficient FPGA Implementation for Real-Time and Low-Power UAV Object Detection. , 2022, , .		0
1824	Incremental Two-Stage Logo Recognition with Knowledge Distillation. , 2022, , .		0
1825	Improved Algorithm for Road Multi-target Tracking Based on YOLO. , 2022, , .		0
1826	Object Recognition from 3D Point Cloud on Resource-Constrained Edge Device. , 2022, , .		3
1827	Toward the Automated Detection of Light Echoes in Synoptic Surveys: Considerations on the Application of Deep Convolutional Neural Networks. Astronomical Journal, 2022, 164, 250.	1.9	4
1828	Green learning: Introduction, examples and outlook. Journal of Visual Communication and Image Representation, 2023, 90, 103685.	1.7	14
1829	Obstructive Sleep Apnea Detection Based on Sleep Sounds via Deep Learning. Nature and Science of Sleep, 0, Volume 14, 2033-2045.	1.4	5
1830	A Lightweight Multi-Level Information Network for Multispectral and Hyperspectral Image Fusion. Remote Sensing, 2022, 14, 5600.	1.8	0
1831	Comparative Analysis of Object Detection Models for the Detection of Multiple Face Masks. Lecture Notes in Networks and Systems, 2023, , 33-49.	0.5	0
1832	Artificial Intelligence You Can Trust: What Matters Beyond Performance When Applying Artificial Intelligence to Renal Histopathology?. Journal of the American Society of Nephrology: JASN, 2022, 33, 2133-2140.	3.0	3
1833	An Advanced Chicken Face Detection Network Based on GAN and MAE. Animals, 2022, 12, 3055.	1.0	4

#	ARTICLE	IF	CITATIONS
1834	Attention-Guided Disentangled Feature Aggregation for Video Object Detection. <i>Sensors</i> , 2022, 22, 8583.	2.1	3
1835	Monitoring and Identification of Road Construction Safety Factors via UAV. <i>Sensors</i> , 2022, 22, 8797.	2.1	9
1836	Sensor-Based Technologies in Effective Solid Waste Sorting: Successful Applications, Sensor Combination, and Future Directions. <i>Environmental Science &amp; Technology</i> , 2022, 56, 17531-17544.	4.6	9
1837	Pattern Classification Using Quantized Neural Networks for FPGA-Based Low-Power IoT Devices. <i>Sensors</i> , 2022, 22, 8694.	2.1	1
1838	Seedling maize counting method in complex backgrounds based on YOLOV5 and Kalman filter tracking algorithm. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
1839	Multi-space and detail-supplemented attention network for point cloud completion. <i>Applied Intelligence</i> , 0, , .	3.3	0
1840	Performance Comparison of Multiple Convolutional Neural Networks for Concrete Defects Classification. <i>Sensors</i> , 2022, 22, 8714.	2.1	8
1841	An efficient approach for guided wave structural monitoring of switch rails via deep convolutional neural network-based transfer learning. <i>Measurement Science and Technology</i> , 2023, 34, 024004.	1.4	6
1842	Different structured-light patterns in single-shot 2D-to-3D image conversion using deep learning. <i>Applied Optics</i> , 2022, 61, 10105.	0.9	5
1843	Robust Object Positioning for Visual Robotics in Automatic Assembly Line under Data-Scarce Environments. <i>Machines</i> , 2022, 10, 1079.	1.2	1
1844	Progress in multi-object detection models: a comprehensive survey. <i>Multimedia Tools and Applications</i> , 0, , .	2.6	2
1845	Automatic data collection for object detection and grasp-position estimation with mobile robots and invisible markers. <i>Advanced Robotics</i> , 2023, 37, 241-256.	1.1	2
1846	The development of an augmented reality audio application for visually impaired persons. <i>Multimedia Tools and Applications</i> , 0, , .	2.6	1
1847	A comprehensive review of object detection with deep learning. , 2023, 132, 103812.		21
1848	Development of Component Recognition Applications and Labor Tools Based on Android and Tiny Yolo Network (Case Study: Signal and System Laboratory). , 2022, , .		0
1849	WilDect-YOLO: An efficient and robust computer vision-based accurate object localization model for automated endangered wildlife detection. <i>Ecological Informatics</i> , 2023, 75, 101919.	2.3	53
1850	Efficient Object Detection Based on Masking Semantic Segmentation Region for Lightweight Embedded Processors. <i>Sensors</i> , 2022, 22, 8890.	2.1	4
1851	An efficient ensemble method for detecting spinal curvature type using deep transfer learning and soft voting classifier. <i>Expert Systems With Applications</i> , 2023, 213, 119290.	4.4	10

#	ARTICLE	IF	CITATIONS
1853	An Approach to 3D Object Detection in Real-Time for Cognitive Robotics Experiments. Lecture Notes in Networks and Systems, 2023, , 283-294.	0.5	1
1854	VaBUS: Edge-Cloud Real-Time Video Analytics via Background Understanding and Subtraction. IEEE Journal on Selected Areas in Communications, 2023, 41, 90-106.	9.7	10
1855	Deep Learning-Enabled Semantic Communication Systems With Task-Unaware Transmitter and Dynamic Data. IEEE Journal on Selected Areas in Communications, 2023, 41, 170-185.	9.7	26
1856	Deep Learning Approach For Objects Detection in Underwater Pipeline Images. Applied Artificial Intelligence, 2022, 36, .	2.0	11
1857	Using deep learning to detect an indicator arid shrub in ultra-high-resolution UAV imagery. Ecological Indicators, 2022, 145, 109698.	2.6	7
1858	TomFusioNet: A tomato crop analysis framework for mobile applications using the multi-objective optimization based late fusion of deep models and background elimination. Applied Soft Computing Journal, 2023, 133, 109898.	4.1	1
1859	Multiscale Object Contrastive Learning-Derived Few-Shot Object Detection in VHR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	2
1860	Classification and Identification of Objects in Images Using CNN. Communications in Computer and Information Science, 2022, , 16-26.	0.4	0
1861	Challenges for Future Robotic Sorters of Mixed Industrial Waste: A Survey. IEEE Transactions on Automation Science and Engineering, 2024, 21, 1023-1040.	3.4	3
1862	Efficient Hardware Architectures for Accelerating Deep Neural Networks: Survey. IEEE Access, 2022, 10, 131788-131828.	2.6	14
1863	Wave-Net: A lightweight deep network for retinal vessel segmentation from fundus images. Computers in Biology and Medicine, 2023, 152, 106341.	3.9	16
1864	The classification and localization of crack using lightweight convolutional neural network with CBAM. Engineering Structures, 2023, 275, 115291.	2.6	19
1865	Manipal-UAV person detection dataset: A step towards benchmarking dataset and algorithms for small object detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 195, 77-89.	4.9	6
1866	Automated periodontitis bone loss diagnosis in panoramic radiographs using a bespoke two-stage detector. Computers in Biology and Medicine, 2023, 152, 106374.	3.9	7
1867	Feature distillation Siamese networks for object tracking. Applied Soft Computing Journal, 2023, 132, 109912.	4.1	3
1868	AMF-MSPF: A retrospective analysis with online object tracking algorithms. Displays, 2023, 76, 102354.	2.0	2
1869	Deep learning-based detection of aluminum casting defects and their types. Engineering Applications of Artificial Intelligence, 2023, 118, 105636.	4.3	20
1870	A systematic nonstationary causality analysis framework for root cause diagnosis of faults in manufacturing processes. Control Engineering Practice, 2023, 131, 105404.	3.2	4

#	ARTICLE	IF	CITATIONS
1871	PVDet: Towards pedestrian and vehicle detection on gigapixel-level images. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 118, 105705.	4.3	5
1872	Mapping and characterizing Arctic beaded streams through high resolution satellite imagery. <i>Remote Sensing of Environment</i> , 2023, 285, 113378.	4.6	1
1873	Hydrocephalus classification in brain computed tomography medical images using deep learning. <i>Simulation Modelling Practice and Theory</i> , 2023, 123, 102705.	2.2	2
1874	Image quality enhancement using HybridGAN for automated railway track defect recognition. <i>Automation in Construction</i> , 2023, 146, 104669.	4.8	4
1875	E-waste management using hybrid optimization-enabled deep learning in IoT-cloud platform. <i>Advances in Engineering Software</i> , 2023, 176, 103353.	1.8	10
1876	Scientometric review and analysis of recent approaches to stock market forecasting: Two decades survey. <i>Expert Systems With Applications</i> , 2023, 213, 119299.	4.4	12
1877	Development of early fire detection model for buildings using computer vision-based CCTV. <i>Journal of Building Engineering</i> , 2023, 65, 105647.	1.6	8
1878	Ellipse Encoding for Arbitrary-Oriented SAR Ship Detection Based on Dynamic Key Points. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-28.	2.7	8
1879	Surface Defect Detection of Industrial Parts Based on YOLOv5. <i>IEEE Access</i> , 2022, 10, 130784-130794.	2.6	6
1880	Event Detection in Therapy Sessions for Children with Autism. <i>Lecture Notes in Computer Science</i> , 2022, , 221-235.	1.0	1
1881	Assessing the performance of YOLOv5 algorithm for detecting volunteer cotton plants in corn fields at three different growth stages. <i>Artificial Intelligence in Agriculture</i> , 2022, 6, 292-303.	4.4	4
1882	Location First Non-Maximum Suppression for Uncovered Muck Truck Detection. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2022, , .	0.2	1
1883	A Mismatch Elimination Method Based on Reverse Nearest Neighborhood and Influence Space. <i>Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics</i> , 2022, 34, 449-458.	0.2	0
1884	Research on the Application of Hotel Cleanliness Compliance Detection Algorithm Based on WGAN. , 2022, , .		0
1885	Derin Ā–Ārenme YĀntemleri Āle KonuĀymadan Duygu TanĀma Ācezerine Bir LiteratĀr AraĀtĀrmasĀ. <i>Gazi Āeniversitesi Fen Bilimleri Dergisi</i> , 0, , .	0.2	0
1886	Deep Learning-Based Approach for Object Detection in Robot Football Competition. , 2022, , .		1
1887	Image Retrieval and Pattern Spotting on Historical Documents with Binary Descriptors. , 2022, , .		0
1888	Underwater Object Detection with Swin Transformer. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1889	AI-Based Pill Detection and Deblistering Spot Finder System for Smart Medication Dispenser. , 2022, , .		0
1890	Whitening Transformation inspired Self-Attention for Powerline Element Detection. , 2022, , .		2
1891	Fused Pruning based Robust Deep Neural Network Watermark Embedding. , 2022, , .		0
1892	Markerless Visual Servoing Using Virtual Face Tag and Image Moment Invariants. , 2022, , .		0
1893	Toward Detection of Small Objects Using Deep Learning Methods: A Review. , 2022, , .		1
1894	On Stream Face Mask and helmet detection System Using Machine Learning Techniques. , 2022, , .		0
1895	Intelligent identification of film on cotton based on hyperspectral imaging and convolutional neural network. Science Progress, 2022, 105, 003685042211374.	1.0	2
1896	Video frame interpolation via residual blocks and feature pyramid networks. IET Image Processing, 0, , .	1.4	0
1897	Gradient Deep Learning Boosting and Its Application on the Imbalanced Datasets Containing Noises in Manufacturing. Smart Innovation, Systems and Technologies, 2023, , 225-235.	0.5	0
1898	COVID-19 risk reduce based YOLOv4-P6-FaceMask detector and DeepSORT tracker. Multimedia Tools and Applications, 2023, 82, 23569-23593.	2.6	2
1899	Characterisation of urban environment and activity across space and time using street images and deep learning in Accra. Scientific Reports, 2022, 12, .	1.6	2
1901	Improving Semi-Supervised Image Classification by Assigning Different Weights to Correctly and Incorrectly Classified Samples. Applied Sciences (Switzerland), 2022, 12, 11915.	1.3	0
1903	Joint Semantic Deep Learning Algorithm for Object Detection under Foggy Road Conditions. Mathematics, 2022, 10, 4526.	1.1	2
1904	Feature Extraction TF-IDF to Perform Cyberbullying Text Classification: A Literature Review and Future Research Direction. , 2022, , .		0
1905	Development of a Technique for Classifying Photovoltaic Panels Using Sentinel-1 and Machine Learning. Journal of Sensors, 2022, 2022, 1-11.	0.6	0
1906	Low-Cost and Hardware Efficient Implementation of Pooling Layers for Stochastic CNN Accelerators. , 2022, , .		1
1907	Multi-Model Inference Accelerator for Binary Convolutional Neural Networks. Electronics (Switzerland), 2022, 11, 3966.	1.8	2
1908	A Novel Computer-Vision Approach Assisted by 2D-Wavelet Transform and Locality Sensitive Discriminant Analysis for Concrete Crack Detection. Sensors, 2022, 22, 8986.	2.1	1

#	ARTICLE	IF	CITATIONS
1909	AID-U-Net: An Innovative Deep Convolutional Architecture for Semantic Segmentation of Biomedical Images. <i>Diagnostics</i> , 2022, 12, 2952.	1.3	1
1910	A Projection-Based Augmented Reality System for Medical Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12027.	1.3	1
1911	A Novel UAV Visual Positioning Algorithm Based on A-YOLOX. <i>Drones</i> , 2022, 6, 362.	2.7	2
1912	AMFFNet: attention-guided multi-level feature fusion network for land cover classification of remote sensing images. <i>Journal of Applied Remote Sensing</i> , 2022, 17, .	0.6	0
1913	Bio-mimetic high-speed target localization with fused frame and event vision for edge application. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	5
1914	Detection of Coconut Inflorescence Using YOLOv4 Variants, Single Shot Multibox Detector, and Aggregate Channel Features. , 2022, , .		1
1915	Data Transmission And Off-board Object Detection Of A Visual Inspection Drone In The Factory Shop Floor Area. , 2022, , .		0
1916	Deep problems with neural network models of human vision. <i>Behavioral and Brain Sciences</i> , 2023, 46, .	0.4	31
1917	Teacherâ€™Student Behavior Recognition in Classroom Teaching Based on Improved YOLO-v4 and Internet of Things Technology. <i>Electronics (Switzerland)</i> , 2022, 11, 3998.	1.8	11
1918	Deep Learning in Diverse Intelligent Sensor Based Systems. <i>Sensors</i> , 2023, 23, 62.	2.1	7
1919	A deep learning-based approach to facilitate the as-built state recognition of indoor construction works. <i>Construction Innovation</i> , 2022, ahead-of-print, .	1.5	1
1920	MALDI Mass Spectrometry Imaging: A Potential Game-Changer in a Modern Microbiology. <i>Cells</i> , 2022, 11, 3900.	1.8	12
1921	A novel automatic reading method of pointer meters based on deep learning. <i>Neural Computing and Applications</i> , 2023, 35, 8357-8370.	3.2	3
1922	Convolutional Neural Network and Deep Learning Approach for Image Detection and Identification. <i>Journal of Physics: Conference Series</i> , 2022, 2394, 012019.	0.3	0
1923	An Optimized Flower Categorization Using Customized Deep Learning. <i>International Journal of Computational Intelligence and Applications</i> , 2022, 21, .	0.6	2
1924	A Fast Specular Highlight Removal Method for Smooth Liquor Bottle Surface Combined with U2-Net and LaMa Model. <i>Sensors</i> , 2022, 22, 9834.	2.1	0
1925	One-Sided Unsupervised Image Dehazing Network Based on Feature Fusion and Multi-Scale Skip Connection. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12366.	1.3	0
1926	Vehicle detection and masking in UAV images using YOLO to improve photogrammetric products. <i>Reports on Geodesy and Geoinformatics</i> , 2022, 114, 15-23.	0.5	0



#	ARTICLE	IF	CITATIONS
1927	Measuring Comfort Behaviours in Laying Hens Using Deep-Learning Tools. <i>Animals</i> , 2023, 13, 33.	1.0	3
1928	Fruit Volume and Leaf-Area Determination of Cabbage by a Neural-Network-Based Instance Segmentation for Different Growth Stages. <i>Sensors</i> , 2023, 23, 129.	2.1	2
1929	Edge AI-Based Crowd Counting Application for Public Transport Stops. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2022, , 182-205.	0.4	0
1930	Deep learning and computer vision techniques for microcirculation analysis: A review. <i>Patterns</i> , 2023, 4, 100641.	3.1	3
1931	Multiscale anchor box and optimized classification with faster Râ€œCNN for object detection. <i>IET Image Processing</i> , 2023, 17, 1322-1333.	1.4	2
1932	Damaged apple detection with a hybrid YOLOv3 algorithm. <i>Information Processing in Agriculture</i> , 2022, , .	2.9	3
1933	Accurate detection for dental implant and peri-implant tissue by transfer learning of faster R-CNN: a diagnostic accuracy study. <i>BMC Oral Health</i> , 2022, 22, .	0.8	3
1934	Advances in Machine Learning for Sensing and Condition Monitoring. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12392.	1.3	7
1935	Locating Hidden Exoplanets in ALMA Data Using Machine Learning. <i>Astrophysical Journal</i> , 2022, 941, 192.	1.6	2
1936	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
1937	A High-Quality Instance-Segmentation Network for Floating-Algae Detection Using RGB Images. <i>Remote Sensing</i> , 2022, 14, 6247.	1.8	2
1938	A Survey of SAR Image Target Detection Based on Convolutional Neural Networks. <i>Remote Sensing</i> , 2022, 14, 6240.	1.8	9
1939	Application of Deep Learning in Histopathology Images of Breast Cancer: A Review. <i>Micromachines</i> , 2022, 13, 2197.	1.4	11
1940	A deep generative model based on CNN-CVAE for wind turbine condition monitoring. <i>Measurement Science and Technology</i> , 2023, 34, 035902.	1.4	9
1941	Machine Learning-Based Audio Interface Model for Sign Language Recognition. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2022, 12, 38-42.	0.2	0
1942	Detection of pulpal calcifications on bite-wing radiographs using deep learning. <i>Clinical Oral Investigations</i> , 2023, 27, 2679-2689.	1.4	6
1944	Machine Learning-Based Social Distance Detection: An Approach Using OpenCV and YOLO Framework. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 931-946.	0.3	1
1945	An experimental study on marine debris location and recognition using object detection. <i>Pattern Recognition Letters</i> , 2023, 168, 154-161.	2.6	2

#	ARTICLE	IF	CITATIONS
1946	DU-Net: A Novel Architecture for Retinal Vessels Segmentation. Lecture Notes in Computer Science, 2023, , 455-468.	1.0	0
1947	Computer Vision on X-Ray Data in Industrial Production and Security Applications: A Comprehensive Survey. IEEE Access, 2023, 11, 2445-2477.	2.6	8
1948	YOLO-ORE: A Deep Learning-Aided Object Recognition Approach for Radar Systems. IEEE Transactions on Vehicular Technology, 2023, 72, 5715-5731.	3.9	4
1949	A Scheduled Mask Method for TextVQA. Lecture Notes in Computer Science, 2022, , 25-35.	1.0	0
1950	AutoMap: Automatic Mapping of Neural Networks to Deep Learning Accelerators for Edge Devices. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 2994-3006.	1.9	0
1951	DeepLandforms: A Deep Learning Computer Vision Toolset Applied to a Prime Use Case for Mapping Planetary Skylights. Earth and Space Science, 2023, 10, .	1.1	1
1952	Adaptive Discriminative Regions Learning Network for Remote Sensing Scene Classification. Sensors, 2023, 23, 773.	2.1	0
1953	Deep Instance Segmentation and Visual Servoing to Play Jenga with a Cost-Effective Robotic System. Sensors, 2023, 23, 752.	2.1	1
1954	A Triple-Stream Network With Cross-Stage Feature Fusion for High-Resolution Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	2.7	7
1955	Minimizing the Effect of Specular Reflection on Object Detection and Pose Estimation of Bin Picking Systems Using Deep Learning. Machines, 2023, 11, 91.	1.2	2
1956	The line rogue wave solutions of the nonlocal Davey-Stewartson I equation with $PT$ symmetry based on the improved physics-informed neural network. Chaos, 2023, 33, .	1.0	5
1957	Sensor-Model-Based Trajectory Optimization for UAVs to Enhance Detection Performance: An Optimal Control Approach and Experimental Results. Sensors, 2023, 23, 664.	2.1	3
1958	Interactivity Recognition Graph Neural Network (IR-GNN) Model for Improving Human-Object Interaction Detection. Electronics (Switzerland), 2023, 12, 470.	1.8	2
1959	Statistical Hypothesis Testing Based on Machine Learning: Large Deviations Analysis. IEEE Open Journal of Signal Processing, 2022, 3, 464-495.	2.3	5
1960	How can artificial neural networks approximate the brain?. Frontiers in Psychology, 0, 13, .	1.1	6
1961	PDP-CNN: A Deep Learning Model for Post-Hurricane Reconnaissance of Electricity Infrastructure on Resource-Constrained Embedded Systems at the Edge. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	2.4	1
1962	VLP: A Survey on Vision-language Pre-training. , 2023, 20, 38-56.		35
1963	Detecting pediatric wrist fractures using deep-learning-based object detection. Pediatric Radiology, 2023, 53, 1125-1134.	1.1	6

#	ARTICLE	IF	CITATIONS
1964	Atomic number prior guided network for prohibited items detection from heavily cluttered X-ray imagery. <i>Frontiers in Physics</i> , 0, 10, .	1.0	1
1965	Improved YOLOv3 model with feature map cropping for multi-scale road object detection. <i>Measurement Science and Technology</i> , 2023, 34, 045406.	1.4	79
1966	Implementing Robotic Path Planning After Object Detection in Deterministic Environments Using Deep Learning Techniques. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 157-169.	0.3	0
1967	A Global-Information-Constrained Deep Learning Network for Digital Elevation Model Super-Resolution. <i>Remote Sensing</i> , 2023, 15, 305.	1.8	6
1968	Obstacle Detection by Autonomous Vehicles: An Adaptive Neighborhood Search Radius Clustering Approach. <i>Machines</i> , 2023, 11, 54.	1.2	0
1969	FBoT-Net: Focal bottleneck transformer network for small green apple detection. <i>Computers and Electronics in Agriculture</i> , 2023, 205, 107609.	3.7	6
1970	Traffic congestion-aware graph-based vehicle rerouting framework from aerial imagery. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 119, 105769.	4.3	7
1971	Maintenance planning recommendation of complex industrial equipment based on knowledge graph and graph neural network. <i>Reliability Engineering and System Safety</i> , 2023, 232, 109068.	5.1	27
1972	A monitoring method of freezing of gait based on multimodal fusion. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104589.	3.5	1
1973	Advanced Transportation Safety Using Real-Time GIS-Based Alarming System for Animal-Prone Zones and Pothole Areas. <i>Journal of Transportation Engineering Part A: Systems</i> , 2023, 149, .	0.8	1
1974	CSGSA-Net: Canonical-structured graph sparse attention network for fetal ECG estimation. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104556.	3.5	7
1975	Deep Learning Model Development for Detecting 22 kV Line-Post Insulator Faults. , 2022, , .		0
1976	A Systematic look up into various Object Detection Techniques in Autonomous Vehicles: A Survey. , 2022, , .		0
1977	Co-Optimizing Sensing and Deep Machine Learning in Automotive Cyber-Physical Systems. , 2022, , .		1
1978	Remote sensing image segmentation of ground objects based on improved Deeplabv3+-. , 2022, , .		1
1979	Suspicious Vehicle Recognition using Number Plate. , 2022, , .		0
1980	Towards a Data Engineering Process in Data-Driven Systems Engineering. , 2022, , .		3
1981	Learning from pseudo-labels: Self-training Electronic Components Detector for Waste Printed Circuit Boards. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
1982	Safety Helmet Detection Using Deep Learning: Implementation and Comparative Study Using YOLOv5, YOLOv6, and YOLOv7. , 2022, , .		21
1983	Modern Computer Vision for Oil Palm Tree Health Surveillance using YOLOv5. , 2022, , .		0
1984	Forged Image Detection using SOTA Image Classification Deep Learning Methods for Image Forensics with Error Level Analysis. , 2022, , .		1
1985	YOLOX-based dynamic vehicle target detection. , 2022, , .		0
1986	Feature Point Extraction Based on CenterNet and Its Application in Ultrasonic Automatic Diagnosis. , 2022, , .		0
1987	Real-Time Computer Vision for Transportation Safety using Deep Learning and IoT. , 2022, , .		0
1988	Focus on Objects: An Image Super-Resolution Model for Region of Interest. , 2022, , .		1
1989	The Effects of Fully Connected Layers Adjustment for Lightweight Convolutional Neural Networks. , 2022, , .		0
1990	Assessment of Trees Outside Forest (TOF) in Urban Landscape Using High-Resolution Satellite Images and Deep Learning Techniques. Journal of the Indian Society of Remote Sensing, 2023, 51, 549-564.	1.2	1
1991	SPV-SSD: An Anchor-Free 3D Single-Stage Detector with Supervised-PointRendering and Visibility Representation. Remote Sensing, 2023, 15, 161.	1.8	1
1992	A Lightweight Network for Real-Time Rain Streaks and Rain Accumulation Removal from Single Images Captured by AVs. Applied Sciences (Switzerland), 2023, 13, 219.	1.3	0
1993	Modern Deep Learning Approaches for Symbol Detection in Complex Engineering Drawings. , 2022, , .		1
1994	Deep Learning-based Ship Detection on FPGAs. , 2022, , .		3
1995	Bolt Positioning Detection Based on Improved YOLOv5 for Bridge Structural Health Monitoring. Sensors, 2023, 23, 396.	2.1	3
1996	Robust Wheel Detection for Vehicle Re-Identification. Sensors, 2023, 23, 393.	2.1	0
1997	Vehicle Detecting and Tracking Application Based on YOLOv5 and DeepSort for Bayer Data. , 2022, , .		2
1998	Modern Approaches towards Object Detection of Complex Engineering Drawings. , 2022, , .		3
1999	Digital Computation-in-Memory Design with Adaptive Floating Point for Deep Neural Networks. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2000	An Efficient Sparse Imaging Method of TomoSAR Via Unfolded Deep Network. , 2021, , .		0
2001	Research on Embedded SAR Target Recognition for Remote Sensing Application. , 2021, , .		0
2002	Pest Birds Detection Approach in Rice Crops Using Pre-trained YOLOv4 Model. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 223-234.	0.2	0
2003	METODY PÅEDZPRACOVÁNĀOBRAZU PRO AUTOMATICKOU DETEKCI ĀĀĀEASTNĀKĀ® SILNIĀENĀHO PROVOZU, PernerĀĀs Contacts, 2022, 17, .	0.3	0
2004	Modern Spacecraft GNC. , 2023, , 819-981.		0
2005	Object Detection in 20 Years: A Survey. Proceedings of the IEEE, 2023, 111, 257-276.	16.4	431
2006	Machine Learning and Deep Learning Applications to Evaluate Mutagenicity. Computational Methods in Engineering & the Sciences, 2023, , 447-461.	0.3	0
2007	Phantom of Benchmark Dataset: Resolving Label Ambiguity Problem on Image Recognition in the Wild. , 2023, , .		0
2008	Deep learning-based small object detection: A survey. Mathematical Biosciences and Engineering, 2023, 20, 6551-6590.	1.0	5
2009	Driver Identification Using Deep Generative Model With Limited Data. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 5159-5171.	4.7	1
2010	Object Recognition of a GCP Design in UAS Imagery Using Deep Learning and Image ProcessingĀĀProof of Concept Study. Drones, 2023, 7, 94.	2.7	1
2011	Dental Age Estimation Using Deep Learning: A Comparative Survey. Computation, 2023, 11, 18.	1.0	3
2012	Computer Stereo Vision for Autonomous Driving: Theory and Algorithms. Studies in Computational Intelligence, 2023, , 41-70.	0.7	4
2013	Autonomous Visual Navigation System Based on a Single Camera for Floor-Sweeping Robot. Applied Sciences (Switzerland), 2023, 13, 1562.	1.3	2
2014	Augmented Behavioral Annotation Tools, with Application to Multimodal Datasets and Models: A Systematic Review. AI, 2023, 4, 128-171.	2.1	1
2015	Enhanced Pathology Image Quality with RestoreĀĀGenerative Adversarial Network. American Journal of Pathology, 2023, 193, 404-416.	1.9	3
2016	Signatures of Life Detected in Images of Rocks Using Neural Network Analysis Demonstrate New Potential for Searching for Biosignatures on the Surface of Mars. Astrobiology, 2023, 23, 308-326.	1.5	3
2017	Hybrid Genetic-Bees Algorithm in Multi-layer Perceptron Optimization. Lecture Notes in Networks and Systems, 2023, , 145-157.	0.5	1

#	ARTICLE	IF	CITATIONS
2018	Optimization of Trash Identification on the House Compound Using a Convolutional Neural Network (CNN) and Sensor System. <i>Sensors</i> , 2023, 23, 1499.	2.1	2
2019	Organoids revealed: morphological analysis of the profound next generation in-vitro model with artificial intelligence. <i>Bio-Design and Manufacturing</i> , 2023, 6, 319-339.	3.9	4
2020	Tropical Cyclone Detection from the Thermal Infrared Sensor IASI Data Using the Deep Learning Model YOLOv3. <i>Atmosphere</i> , 2023, 14, 215.	1.0	2
2022	Mutiscale Hybrid Attention Transformer for Remote Sensing Image Pansharpening. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-16.	2.7	7
2023	Supervised Learning Algorithm Based on Spike Train Inner Product for Deep Spiking Neural Networks. <i>Brain Sciences</i> , 2023, 13, 168.	1.1	2
2024	Object Recognition System for the Visually Impaired: A Deep Learning Approach using Arabic Annotation. <i>Electronics (Switzerland)</i> , 2023, 12, 541.	1.8	4
2025	Lightweight and Energy-Efficient Deep Learning Accelerator for Real-Time Object Detection on Edge Devices. <i>Sensors</i> , 2023, 23, 1185.	2.1	3
2026	Detection of external defects in tomatoes using deep learning. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 2709-2721.	3.3	1
2027	Fuzzy Approach to Object-Detection-Based Image Retrieval. <i>Lecture Notes in Networks and Systems</i> , 2023, , 121-135.	0.5	0
2028	Convolutional networks for supervised mining of molecular patterns within cellular context. <i>Nature Methods</i> , 2023, 20, 284-294.	9.0	33
2029	TF-IGM revisited: Imbalance text classification with relative imbalance ratio. <i>Expert Systems With Applications</i> , 2023, 217, 119578.	4.4	4
2030	Deep Learning based Object Detection Techniques in Videos. , 2022, , 18-22.		0
2031	A Deep Learning Based Person Detection and Heatmap Generation Technique with a Multi-Camera System. , 2022, , .		1
2032	An Improved Drone Detection Method Using Deep Learning for Augmentation Detection Speed. , 2022, , .		0
2033	Low-power Robustness Learning Framework for Adversarial Attack on Edges. , 2022, , .		1
2034	Leaf Tar Spot Detection Using RGB Images. , 2022, , .		0
2035	Accelerating Deep Neural Networks for Efficient Scene Understanding in Multi-Modal Automotive Applications. <i>IEEE Access</i> , 2023, 11, 28208-28221.	2.6	2
2036	Study of Image Segmentation and Classification Methods for Climate Data Analysis. <i>Springer Climate</i> , 2023, , 643-661.	0.3	0

#	ARTICLE	IF	CITATIONS
2037	Localization of Pashto Text in the Video Frames Using Deep Learning. , 2023, , 279-288.		0
2038	CellT-Net: A Composite Transformer Method for 2-D Cell Instance Segmentation. IEEE Journal of Biomedical and Health Informatics, 2024, 28, 730-741.	3.9	2
2039	Adaptive Recognition of Aircraft Cable Brackets Based on Improved Mask R-CNN and Synthetic Dataset. , 2023, , .		0
2040	TransPatch: A Transformer-based Generator for Accelerating Transferable Patch Generation in Adversarial Attacks Against Object Detection Models. Lecture Notes in Computer Science, 2023, , 317-331.	1.0	1
2041	A Deep Learning approach for fire object detection in Autonomous vehicles. Journal of Physics: Conference Series, 2023, 2466, 012031.	0.3	1
2042	Deep learning techniques for biomedical data processing. Intelligent Decision Technologies, 2023, , 1-18.	0.6	0
2043	A comprehensive survey on deep facial expression recognition: challenges, applications, and future guidelines. AEJ - Alexandria Engineering Journal, 2023, 68, 817-840.	3.4	17
2044	Estimation of Spatial Features in 3-D-Sensor Network Using Multiple LiDARs for Indoor Monitoring. IEEE Sensors Journal, 2023, 23, 7850-7867.	2.4	0
2045	DB-Net: Detecting Vehicle Smoke with Deep Block Networks. Applied Sciences (Switzerland), 2023, 13, 4941.	1.3	0
2046	A survey on image enhancement for Low-light images. Heliyon, 2023, 9, e14558.	1.4	9
2047	An improved YOLOv5s method based bruises detection on apples using cold excitation thermal images. Postharvest Biology and Technology, 2023, 199, 112280.	2.9	5
2048	ARIANNA: A novel deep learning-based system for fin contours analysis in individual recognition of dolphins. Intelligent Systems With Applications, 2023, 18, 200207.	1.9	3
2049	CHARLES: A C++ fixed-point library for Photonic-Aware Neural Networks. Neural Networks, 2023, 162, 531-540.	3.3	1
2050	A systematic literature review on automatic website generation. Journal of Computer Languages, 2023, 75, 101202.	1.5	4
2051	Remote monitoring system using slow-fast deep convolution neural network model for identifying anti-social activities in surveillance applications. Measurement: Sensors, 2023, 27, 100718.	1.3	5
2052	A data-driven physics-constrained deep learning computational framework for solving von Mises plasticity. Engineering Applications of Artificial Intelligence, 2023, 122, 106049.	4.3	17
2053	Real-time flashover prediction model for multi-compartment building structures using attention based recurrent neural networks. Expert Systems With Applications, 2023, 223, 119899.	4.4	5
2054	CF3DNet: A learning-based approach for single-shot 3D reconstruction from circular fringes. Optics and Lasers in Engineering, 2023, 167, 107597.	2.0	4

#	ARTICLE	IF	CITATIONS
2055	TogetherNet: Bridging Image Restoration and Object Detection Together via Dynamic Enhancement Learning. Computer Graphics Forum, 2022, 41, 465-476.	1.8	6
2056	Non-destructive detection of thin micro-defects in glass reinforced polymer composites using a terahertz electro-magnetic wave based on a convolution neural network. Composites Part B: Engineering, 2023, 257, 110694.	5.9	3
2058	DL-Assisted ROP Screening Technique. Communications in Computer and Information Science, 2022, , 236-258.	0.4	1
2059	A Smart Trap for Counting Olive Moths Based on the Internet of Things and Deep Learning. , 2022, , .		0
2060	Towards advanced robotic manipulation. , 2022, , .		1
2061	Automated labeling of training data for improved object detection in traffic videos by fine-tuned deep convolutional neural networks. Pattern Recognition Letters, 2023, 167, 45-52.	2.6	5
2062	Deep Pneumonia: Attention-Based Contrastive Learning for Class-Imbalanced Pneumonia Lesion Recognition in Chest X-rays. , 2022, , .		1
2063	Mask R-CNN assisted 2.5D object detection pipeline of 68Ga-PSMA-11 PET/CT-positive metastatic pelvic lymph node after radical prostatectomy from solely CT imaging. Scientific Reports, 2023, 13, .	1.6	3
2064	Efficient CNN with uncorrelated Bag of Features pooling. , 2022, , .		1
2065	Rifle Detection and Performance Evaluation Using Deep Learning Frameworks. Advances in Computer and Electrical Engineering Book Series, 2023, , 403-433.	0.2	0
2066	Survey of Cross-Modal Person Re-Identification from a Mathematical Perspective. Mathematics, 2023, 11, 654.	1.1	1
2067	Qualitative Analysis of Automated Visual Tracking of Objects Through Head Pose Estimation. , 2022, , .		0
2068	A Deep Reinforcement Learning Framework for Multi-Stage Optimized Object Detection. , 2022, , .		0
2069	Face Mask Identification Using Spatial and Frequency Features in Depth Image from Time-of-Flight Camera. Sensors, 2023, 23, 1596.	2.1	2
2070	Surveying coconut trees using high-resolution satellite imagery in remote atolls of the Pacific Ocean. Remote Sensing of Environment, 2023, 287, 113485.	4.6	17
2071	UAV aerial image target detection based on BLUR-YOLO. Remote Sensing Letters, 2023, 14, 186-196.	0.6	5
2072	Development of AIoT System for facility asparagus cultivation. Computers and Electronics in Agriculture, 2023, 206, 107665.	3.7	0
2073	Profiling the Arion rufus snails with computer vision. , 2022, , .		1



#	ARTICLE	IF	CITATIONS
2074	Segmentation of mine overburden dump particles from images using Mask R CNN. Scientific Reports, 2023, 13, .	1.6	3
2075	Introduction of a cascaded segmentation pipeline for parametric T1 mapping in cardiovascular magnetic resonance to improve segmentation performance. Scientific Reports, 2023, 13, .	1.6	1
2076	Population Index and Analysis Based on Different Geographies; Using Distance Measurement, Social Distancing, and Deep Learning. Lecture Notes in Electrical Engineering, 2023, , 45-63.	0.3	0
2077	An Anchor-Free Network for Increasing Attention to Small Objects in High Resolution Remote Sensing Images. Applied Sciences (Switzerland), 2023, 13, 2073.	1.3	3
2078	Convolutional Neural Network Based Defect Recognition Model for Phased Array Ultrasonic Testing Images of Electrofusion Joints. Journal of Pressure Vessel Technology, Transactions of the ASME, 2023, 145, .	0.4	19
2079	A Dual Model Watermarking Framework for Copyright Protection in Image Processing Networks. Computers, Materials and Continua, 2023, 75, 831-844.	1.5	0
2080	YOLOv7-RAR for Urban Vehicle Detection. Sensors, 2023, 23, 1801.	2.1	38
2081	Using Image Upscaling Methods in Digital Platforms to Reduce Internet Usage. , 2022, , .		0
2082	Deep learning in spatial transcriptomics: Learning from the next next-generation sequencing. Biophysics Reviews, 2023, 4, .	1.0	6
2083	From crowd to herd counting: How to precisely detect and count African mammals using aerial imagery and deep learning?. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 197, 167-180.	4.9	9
2084	A Face Mask Detection Algorithm Based on YOLOv5. , 2022, , .		2
2085	Using CoordConv for Tabular Data Detection and Structure Recognition. , 2022, , .		0
2086	Research Challenges, Recent Advances, and Popular Datasets in Deep Learning-Based Underwater Marine Object Detection: A Review. Sensors, 2023, 23, 1990.	2.1	7
2087	An Effective Volleyball Trajectory Estimation and Analysis Method With Embedded Graph Convolution. International Journal of Distributed Systems and Technologies, 2023, 14, 1-13.	0.6	1
2088	Optimized Deep Learning-Based E-Waste Management in IoT Application via Energy-Aware Routing. Cybernetics and Systems, 0, , 1-30.	1.6	4
2089	A vision-based real-time traffic flow monitoring system for road intersections. Multimedia Tools and Applications, 2023, 82, 25155-25174.	2.6	1
2090	Hidden and Face-like Object Detection using Deep Learning Techniques - An Empirical Study. , 2022, , .		0
2091	Deep learning based object detection for resource constrained devices: Systematic review, future trends and challenges ahead. Neurocomputing, 2023, 531, 34-60.	3.5	17

#	ARTICLE	IF	CITATIONS
2092	Weakly supervised semantic segmentation for MRI: exploring the advantages and disadvantages of class activation maps for biological image segmentation with soft boundaries. Scientific Reports, 2023, 13, .	1.6	0
2093	Automatic Bounding Box Annotation with Small Training Datasets for Industrial Manufacturing. Micromachines, 2023, 14, 442.	1.4	3
2095	Advances in Diagnosis, Therapy, and Prognosis of Coronary Artery Disease Powered by Deep Learning Algorithms. JACC Asia, 2023, 3, 1-14.	0.5	4
2096	Efficient Real-time Traffic Management and Control for Autonomous Vehicle in Hazy Environment using Deep Learning Technique. , 2022, , .		0
2097	Top-K Confidence Map Aggregation for Robust Semantic Segmentation Against Unexpected Degradation. , 2023, , .		0
2098	State-of-the-Art in Lung Ultrasound Processing - Brief Review. , 2023, , .		0
2099	E-detector: Asynchronous Spatio-temporal for Event-based Object Detection in Intelligent Transportation System. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-20.	3.0	2
2100	Artificial Intelligence and Its Roles in the R&D of Vehicle Powertrain Products. , 0, , 6.		2
2101	Accuracy Comparison of YOLOv7 and YOLOv4 Regarding Image Annotation Quality for Apple Flower Bud Classification. AgriEngineering, 2023, 5, 413-424.	1.7	10
2102	A Tea Buds Counting Method Based on YOLOv5 and Kalman Filter Tracking Algorithm. Plant Phenomics, 2023, 5, .	2.5	10
2103	Context-Driven Detection of Invertebrate Species in Deep-Sea Video. International Journal of Computer Vision, 2023, 131, 1367-1388.	10.9	3
2104	A Review of Deep Learning-Based Object Detection Current and Future Perspectives. Lecture Notes in Networks and Systems, 2023, , 937-951.	0.5	1
2105	Intelligent metasurface system for automatic tracking of moving targets and wireless communications based on computer vision. Nature Communications, 2023, 14, .	5.8	25
2106	Person Re-identification System Integrating GFP-GAN and Yolov4 Models. , 2022, , .		1
2107	CoGNN: Efficient Scheduling for Concurrent GNN Training on GPUs. , 2022, , .		3
2108	A LED Module Number Detection for LED Screen Calibration. Communications in Computer and Information Science, 2023, , 570-584.	0.4	0
2109	SS-TMNet: Spatialâ€“Spectral Transformer Network with Multi-Scale Convolution for Hyperspectral Image Classification. Remote Sensing, 2023, 15, 1206.	1.8	5
2110	A binocular stereo visual servo system for bird repellent in substations. Multimedia Tools and Applications, 0, , .	2.6	0

#	ARTICLE	IF	CITATIONS
2111	Ship Detection from Satellite Images with Advanced Deep Learning Model (Single Shot Detector (SSD)). Smart Innovation, Systems and Technologies, 2023, , 337-349.	0.5	1
2112	AI-assisted identification of intrapapillary capillary loops in magnification endoscopy for diagnosing early-stage esophageal squamous cell carcinoma: a preliminary study. Medical and Biological Engineering and Computing, 0, , .	1.6	0
2113	A flexible calibration method with multi-stage optimization for the axial error of mobile mapping systems. International Journal of Applied Earth Observation and Geoinformation, 2023, 118, 103240.	0.9	0
2114	Deep learning in digital pathology for personalized treatment plans of cancer patients. Seminars in Diagnostic Pathology, 2023, 40, 109-119.	1.0	4
2115	Obstacle Detection and Text Recognition for Assisting Visually Impaired People. Advances in Science and Technology, 0, , .	0.2	0
2116	A New Loss Function for Simultaneous Object Localization and Classification. Mathematics, 2023, 11, 1205.	1.1	0
2117	RepF-Net: Distortion-Aware Re-projection Fusion Network for Object Detection in Panorama Image. Lecture Notes in Computer Science, 2023, , 508-523.	1.0	0
2118	Illumination-Guided RGBT Object Detection With Inter- and Intra-Modality Fusion. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	2.4	1
2119	Convolutional Neural Network Implementation in Detection of Approach Lights Lighting Condition. , 2023, , 128-140.		0
2120	Multi-scale Attention Adaptive Network for Object Detection in Remote Sensing Images. , 2022, , .		1
2121	Probabilistic Classification Method of Spiking Neural Network Based on Multi-Labeling of Neurons. Mathematics, 2023, 11, 1224.	1.1	0
2122	Swin Transformer-Based Object Detection Model Using Explainable Meta-Learning Mining. Applied Sciences (Switzerland), 2023, 13, 3213.	1.3	4
2123	Cooktop Sensing Based on a YOLO Object Detection Algorithm. Sensors, 2023, 23, 2780.	2.1	2
2124	Storytelling with Image Data: A Systematic Review and Comparative Analysis of Methods and Tools. Algorithms, 2023, 16, 135.	1.2	2
2125	Deep learning for face mask detection: a survey. Multimedia Tools and Applications, 2023, 82, 34321-34361.	2.6	2
2126	Faster R-CNN based parathyroid detection by using an automated annotation algorithm with a paired color and near-infrared imaging. , 2023, , .		0
2127	Fault Diagnosis of Laminar Cooling Roller Motor Based on Morphological Recognition and Combination Patterns Mining of Multicurrent Signatures. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-15.	2.4	1
2128	Fast Convergence Detection Algorithm of Image Small Object Based on Distance Intersection over Union. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2129	Theoretical Understanding of Convolutional Neural Network: Concepts, Architectures, Applications, Future Directions. <i>Computation</i> , 2023, 11, 52.	1.0	50
2130	Gradient Guided Sampling Method for Imbalanced Learning. , 2022, , .		0
2131	UAV-Borne Landmine Detection via Intelligent Multispectral Fusion. , 2022, , .		1
2132	FDD: a deep learningâ€‘based steel defect detectors. <i>International Journal of Advanced Manufacturing Technology</i> , 2023, 126, 1093-1107.	1.5	12
2133	Novel deeper AWRDNet: adverse weather-affected night scene restorator cum detector net for accurate object detection. <i>Neural Computing and Applications</i> , 0, , .	3.2	0
2134	GLH: From Global to Local Gradient Attacks with High-Frequency Momentum Guidance for Object Detection. <i>Entropy</i> , 2023, 25, 461.	1.1	4
2135	A Novel Feature Selection Strategy Based on Salp Swarm Algorithm for Plant Disease Detection. <i>Plant Phenomics</i> , 2023, 5, .	2.5	5
2136	Hybrid dilated multilayer faster RCNN for object detection. <i>Visual Computer</i> , 2024, 40, 393-406.	2.5	1
2137	Predicting phenotypes from novel genomic markers using deep learning. <i>Bioinformatics Advances</i> , 2023, 3, .	0.9	0
2138	IoU-Enhanced Attention for End-to-End Task Specific Object Detection. <i>Lecture Notes in Computer Science</i> , 2023, , 124-141.	1.0	1
2139	Enhanced Vehicle Re-Identification for Smart City Applications Using Zone Specific Surveillance. <i>IEEE Access</i> , 2023, 11, 29234-29249.	2.6	3
2140	Application of YOLOv5 in Device Detection of Hydropower Station. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 43-52.	0.3	0
2141	EvriÅŸimsel Sinir AÄŸ± Mimarileri ve Ä–ÄŸrenim Aktarma Ä°le Bitki Zararları±sÄ± Ä±tekirge TÄ¼rlerinin SÄ±nÄ±flandÄ±rmasÄ±. FÄ±rat Äœniversitesi MÄ¼hendislik Bilimleri Dergisi, 0, , .	0.2	0
2142	Anchor-oriented strategy for construction vehicles detection in the woodland scene. , 2022, , .		0
2143	Object Detection Mechanism using Deep CNN Model. , 2023, , .		0
2144	Introduction to Door Opening Type Classification Based on Human Demonstration. <i>Sensors</i> , 2023, 23, 3093.	2.1	1
2145	When Object Detection Meets Knowledge Distillation: A Survey. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 10555-10579.	9.7	11
2147	Leveraging Deep Convolutional Neural Network for Point Symbol Recognition in Scanned Topographic Maps. <i>ISPRS International Journal of Geo-Information</i> , 2023, 12, 128.	1.4	5

#	ARTICLE	IF	CITATIONS
2148	Fish Detection and Classification for Automatic Sorting System with an Optimized YOLO Algorithm. Applied Sciences (Switzerland), 2023, 13, 3812.	1.3	4
2150	EnsembleVehicleDet: Detection of Faraway Vehicles with Real-Time Consideration. Applied Sciences (Switzerland), 2023, 13, 3939.	1.3	1
2151	An Empirical Study on Software Aging of Long-Running Object Detection Algorithms. , 2022, , .		0
2152	NIRPed: A Novel Benchmark for Nighttime Pedestrian and Its Distance Joint Detection. IEEE Transactions on Intelligent Transportation Systems, 2023, , 1-11.	4.7	0
2153	Advanced Audio Aid for Blind People. , 2022, , .		1
2155	LiteF2DNet: a lightweight learning framework for 3D reconstruction using fringe projection profilometry. Applied Optics, 2023, 62, 3215.	0.9	3
2156	A Survey of Adversarial Attacks on Deep Neural Network in Computer Vision. , 2022, , .		0
2157	MDFENet: A Multiscale Difference Feature Enhancement Network for Remote Sensing Change Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3104-3115.	2.3	2
2158	Automated detection of vehicles with anomalous trajectories in traffic surveillance videos. Integrated Computer-Aided Engineering, 2023, 30, 293-309.	2.5	1
2159	ICEGAN: inverse covariance estimating generative adversarial network. Machine Learning: Science and Technology, 2023, 4, 025008.	2.4	6
2160	Effective WBC Segmentation Using Hybrid Loss. , 2023, , .		0
2161	Quantifying the movement, behaviour and environmental context of group-living animals using drones and computer vision. Journal of Animal Ecology, 2023, 92, 1357-1371.	1.3	17
2162	Deep object detection for waterbird monitoring using aerial imagery. , 2022, , .		5
2163	Pest species identification algorithm based on improved YOLOv4 network. Signal, Image and Video Processing, 2023, 17, 3127-3134.	1.7	2
2164	Biologically inspired robotic perception-action for soft fruit harvesting in vertical growing environments. Precision Agriculture, 2023, 24, 1072-1096.	3.1	2
2165	Visuo-haptic object perception for robots: an overview. Autonomous Robots, 2023, 47, 377-403.	3.2	6
2166	Material decomposition of spectral CT images via attention-based global convolutional generative adversarial network. Nuclear Science and Techniques/Hewuli, 2023, 34, .	1.3	1
2167	Mutually Distilled Sparse RCNN for Few-Shot Object Detection. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2168	Evaluating the Performance of YOLO V5 for Electronic Device Classification. , 2023, , .		1
2169	Automatic classification and isolation of cracks on masonry surfaces using deep transfer learning and semantic segmentation. Journal of Building Pathology and Rehabilitation, 2023, 8, .	0.7	3
2170	CPPE-5: Medical Personal Protective Equipment Dataset. SN Computer Science, 2023, 4, .	2.3	1
2171	Foreign Object Shading Detection in Photovoltaic Modules Based on Transfer Learning. Energies, 2023, 16, 2996.	1.6	0
2172	Vision meets algae: A novel way for microalgae recognition and health monitor. Frontiers in Marine Science, 0, 10, .	1.2	6
2173	Sensing and Machine Learning for Automotive Perception: A Review. IEEE Sensors Journal, 2023, 23, 11097-11115.	2.4	13
2174	Materials swelling revealed through automated semantic segmentation of cavities in electron microscopy images. Scientific Reports, 2023, 13, .	1.6	5
2175	Deep Learning Approaches for Wildland Fires Remote Sensing: Classification, Detection, and Segmentation. Remote Sensing, 2023, 15, 1821.	1.8	14
2176	A Background Reasoning Framework for External Force Damage Detection in Distribution Network. Lecture Notes in Electrical Engineering, 2023, , 771-778.	0.3	0
2177	Deep Learning Object Detection. Lecture Notes in Computer Science, 2023, , 300-309.	1.0	0
2178	Performance Evaluation of Recent Object Detection Models for Traffic Safety Applications on Edge. , 2023, , .		1
2179	Flame and Smoke Detection Algorithm Based on ODConvBS-YOLOv5s. IEEE Access, 2023, 11, 34005-34014.	2.6	2
2180	Differential evolution based dual adversarial camouflage: Fooling human eyes and object detectors. Neural Networks, 2023, 163, 256-271.	3.3	4
2181	Multifeature Semantic Complementation Network for Marine Oil Spill Localization and Segmentation Based on SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3771-3783.	2.3	2
2182	POSEIDON: A Data Augmentation Tool for Small Object Detection Datasets in Maritime Environments. Sensors, 2023, 23, 3691.	2.1	9
2183	HiDAnet: RGB-D Salient Object Detection via Hierarchical Depth Awareness. IEEE Transactions on Image Processing, 2023, 32, 2160-2173.	6.0	15
2184	Face Mask and Body Temperature Scanning System for Covid-19. , 2023, , .		0
2185	An automatic improved facial expression recognition for masked faces. Neural Computing and Applications, 2023, 35, 14963-14972.	3.2	5

#	ARTICLE	IF	CITATIONS
2186	Characterizing the Impact of Data-Damaged Models on Generalization Strength in Intrusion Detection. <i>Journal of Cybersecurity and Privacy</i> , 2023, 3, 118-144.	2.4	0
2188	A Systematic Review of Individual Tree Crown Detection and Delineation with Convolutional Neural Networks (CNN). <i>Current Forestry Reports</i> , 2023, 9, 149-170.	3.4	9
2189	An Efficient Approach for Semantic Segmentation of Salt Domes in Seismic Images Using Improved UNET Architecture. <i>Journal of the Institution of Engineers (India): Series B</i> , 2023, 104, 569-578.	1.3	1
2190	A Vision Detection Scheme Based on Deep Learning in a Waste Plastics Sorting System. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 4634.	1.3	1
2191	Efficient training of spiking neural networks with temporally-truncated local backpropagation through time. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	3
2192	Semantic Segmentation with High Inference Speed in Off-Road Environments. , 0, , .		0
2193	Automatic detection of circulating tumor cells and cancer associated fibroblasts using deep learning. <i>Scientific Reports</i> , 2023, 13, .	1.6	5
2194	Object Detection Using Deep Learning, CNNs and Vision Transformers: A Review. <i>IEEE Access</i> , 2023, 11, 35479-35516.	2.6	15
2195	Automatic Assessment of Piano Performances Using Timbre and Pitch Features. <i>Electronics (Switzerland)</i> , 2023, 12, 1791.	1.8	1
2196	Implementation of Realtime design of crowd Enumeration via tracking using AI system. , 2023, , .		0
2197	HiDeNN-FEM: a seamless machine learning approach to nonlinear finite element analysis. <i>Computational Mechanics</i> , 2023, 72, 173-194.	2.2	2
2198	Leguminous seeds detection based on convolutional neural networks: Comparison of Faster R-CNN and YOLOv4 on a small custom dataset. <i>Artificial Intelligence in Agriculture</i> , 2023, 8, 30-45.	4.4	2
2199	YOLO Based Real Time Human Detection Using Deep Learning. <i>Journal of Physics: Conference Series</i> , 2023, 2466, 012034.	0.3	0
2200	Damage location diagnosis of frame structure based on wavelet denoising and convolution neural network implanted with Inception module and LSTM. <i>Structural Health Monitoring</i> , 2024, 23, 57-76.	4.3	1
2201	A Review on Deep Learning Algorithms for Real-Time Detection of Multiple Vehicle-Based Classes: Challenges and Open Opportunities. <i>Algorithms for Intelligent Systems</i> , 2023, , 363-377.	0.5	0
2202	Deep Ensemble Architecture: A Region Mapping for Chest Abnormalities. <i>Communications in Computer and Information Science</i> , 2023, , 333-344.	0.4	0
2203	Prior austenite grain boundary recognition in martensite microstructure based on deep learning. <i>Journal of Iron and Steel Research International</i> , 0, , .	1.4	2
2204	Deep Learning for Echocardiography: Introduction for Clinicians and Future Vision: State-of-the-Art Review. <i>Life</i> , 2023, 13, 1029.	1.1	0

#	ARTICLE	IF	CITATIONS
2205	Toward Automated Field Ballast Condition Evaluation: Algorithm Development Using a Vision Transformer Framework. <i>Transportation Research Record</i> , 2023, 2677, 423-437.	1.0	2
2206	Design and Implementation of an Automated Control System for Anomaly Detection Using an Enhanced Intrusion Detection System. , 2022, , .		0
2207	Multi-Modal Fusion Technology Based on Vehicle Information: A Survey. <i>IEEE Transactions on Intelligent Vehicles</i> , 2023, 8, 3605-3619.	9.4	4
2208	Vision Based Collision Detection And Avoidance. , 2023, , .		0
2209	Pothole Detection and Estimation of Repair Cost in Bangladeshi Street: AI-based Multiple Case Analysis. , 2023, , .		1
2210	Small Pests Detection in Field Crops Using Deep Learning Object Detection. <i>Sustainability</i> , 2023, 15, 6815.	1.6	13
2211	Weapon detection system for surveillance and security. , 2023, , .		1
2212	A Review on Traditional and Deep Learning based Object Detection Methods. , 2023, , .		3
2213	Application of Deep Learning-Based Object Detection Techniques in Fish Aquaculture: A Review. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 867.	1.2	6
2214	Memory Manipulations in Extended Reality. , 2023, , .		4
2215	Efficient dense attention fusion network with channel correlation loss for road damage detection. <i>IET Intelligent Transport Systems</i> , 0, , .	1.7	0
2216	Densely packed object detection with transformer-based head and EM-merger. <i>Service Oriented Computing and Applications</i> , 2023, 17, 109-117.	1.3	1
2217	Object Detection for Indoor Localization System. <i>Communications in Computer and Information Science</i> , 2022, , 788-803.	0.4	0
2220	An Explainable Transfer Learning Based Approach for Detecting Face Mask. <i>Communications in Computer and Information Science</i> , 2023, , 72-86.	0.4	0
2221	Handwritten Text Recognition of Imagery Acquisition Sheet in Tobacco Industry Using an Improved CRNN Network. , 2022, , .		0
2226	Robotic Fish Enabled Offshore Pipeline Inspection. , 2023, , .		0
2228	Dynamic-YOLOv5: An improved aerial small object detector based on YOLOv5. , 2023, , .		1
2232	Person Detection Using YOLOv3. <i>Lecture Notes in Networks and Systems</i> , 2023, , 903-912.	0.5	0



#	ARTICLE	IF	CITATIONS
2233	Detection of Fruit from an Image Using a Single-Shot Detector for Accurate Calorie Estimation. , 2023, , .		1
2238	Face Mask detection using Mask R-CNN to control the spread of Covid-19. , 2023, , .		0
2250	Object Detection using You Only Look Once (YOLO) Algorithm in Convolution Neural Network (CNN). , 2023, , .		0
2251	Communication-Efficient Federated Learning with Model Pruning. Lecture Notes in Electrical Engineering, 2023, , 67-76.	0.3	0
2258	An Approach of Deep Learning Technique for Object Detection. Lecture Notes in Networks and Systems, 2023, , 579-586.	0.5	0
2259	Detecting Handwritten digits using fully connected Artificial Neural Network in FPGA which will act like a replacement for GPU. , 2023, , .		0
2260	Object Detection and Recognition for Visually Impaired Using Cross-Stage-Partial Network Algorithms. , 2023, , .		0
2261	An Anchor-free Detection Framework for Object Detection in Autonomous Driving Scenarios. , 2022, , .		0
2263	Object Detection for Child Learning Media. , 2022, , .		1
2265	Performance Evaluation of YOLOv3, YOLOv4 and YOLOv5 for Real-Time Human Detection. , 2023, , .		5
2266	Federated Learning based Object Detection using Dampened Harmonic Optimization. , 2023, , .		0
2270	Design and development of helium assisted quadcopter with object recognition. AIP Conference Proceedings, 2023, , .	0.3	0
2272	A Real-time Fire recognition technique using a Improved Convolutional Neural Network Method. , 2023, , .		1
2273	Human Wildlife Conflict Mitigation Using YOLO Algorithm. , 2023, , .		6
2277	Artificial Neural Networks for Individual Tracking and Characterization of Wake Vortices in LIDAR Measurements. , 2023, , .		0
2288	Lane, Car, Traffic Sign and Collision Detection in Simulated Environment Using GTA-V. Lecture Notes in Networks and Systems, 2023, , 465-476.	0.5	0
2291	Design a Robust Real-Time Trash Detection System Using YOLOv5 Variants. , 2023, , .		0
2297	A Review Paper on Object-Detection using the DeepLearning Approach. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
2299	The Use of Dynamic n-Gram to Enhance TF-IDF Features Extraction for Bahasa Indonesia Cyberbullying Classification. , 2023, , .		0
2300	Object Detection with Voice Feedback for Blind People Using Computer Vision. Smart Innovation, Systems and Technologies, 2023, , 661-671.	0.5	0
2305	Bayesian Estimation for 3D-point Object Identification Based on Probabilistic Field Representation. , 2022, , .		0
2306	Deep Learning for Autonomous Driving. Synthesis Lectures on Engineering Science and Technology, 2023, , 59-104.	0.2	0
2314	Pair Programming Education Aided by ChatGPT. , 2023, , .		3
2315	Accurate and Rapid Localization of Tea Bud Leaf Picking Point Based on YOLOv8. Communications in Computer and Information Science, 2023, , 261-274.	0.4	1
2327	Multi-label Classification Using RetinaNet Model. Lecture Notes in Electrical Engineering, 2023, , 645-658.	0.3	0
2332	Untargeted Backdoor Attack Against Object Detection. , 2023, , .		2
2333	Fully Distributed Federated Learning with Efficient Local Cooperations. , 2023, , .		2
2341	Detection of Moving Object Using Modified Fuzzy C-Means Clustering from the Complex and Non-stationary Background Scenes. Springer Proceedings in Mathematics and Statistics, 2023, , 247-259.	0.1	0
2344	Photovoltaic Cells Anomaly Classification Using Deep Learning Techniques. , 2022, , .		0
2349	Recent Advances in Machine Learning for Electrochemical, Optical, and Gas Sensors. , 2023, , 117-138.		0
2350	Applying 3D Object Detection from Self-Driving Cars to Mobile Robots: A Survey and Experiments. , 2023, , .		2
2351	Power Quality Improvement of Integrated PV System with PID Controller Based Shunt Active Filter. , 2022, , .		1
2352	Deep Neural Network Based Anomaly Detection For Smart Surveillance System. , 2022, , .		0
2353	Diagnosis of Covid-19 Using X-Ray Images with the application of Deep Learning Techniques. , 2022, , .		0
2358	Social Distancing Detector Using Deep Learning. , 2023, , .		0
2360	CenterNet-Based Target Detection Method for Remote Sensing Images. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2364	Object Detection Using Mask R-CNN on a Custom Dataset of Tumbling Satellite. Smart Innovation, Systems and Technologies, 2023, , 379-400.	0.5	0
2365	How High can you Detect? Improved accuracy and efficiency at varying altitudes for Aerial Vehicle Detection. , 2023, , .		0
2366	Autonomous Obstacle and Object Detection for Visually Impaired With Audio Aid. , 2023, , .		0
2367	Performance comparison of novel object detection models on traffic data. , 2023, , .		1
2372	Real-Time Object Detection and Audio Output System for Blind Users. Advances in Computational Intelligence and Robotics Book Series, 2023, , 124-133.	0.4	0
2373	Machine Learning And Blockchain: A Promising Future. , 2023, , .		1
2374	Machine Learning based Vacant Space Detection for Smart Parking Solutions. , 2023, , .		1
2382	Characterizing and Optimizing Differentially-Private Techniques for High-Utility, Privacy-Preserving Internet-of-Vehicles. Lecture Notes in Computer Science, 2023, , 31-50.	1.0	3
2384	A Hybrid Deep Learning Spectrum Sensing Architecture for IoT Technologies Classification. , 2023, , .		0
2385	Enhancing Urban Living - A Comprehensive Solution Using Machine Learning and IoT. , 2023, , .		0
2386	Deep Learning-Based Solution for Differently-Abled Persons in The Society. , 2023, , .		0
2387	Widget Detection-based Testing for Industrial Mobile Games. , 2023, , .		0
2390	Review : Deep learning techniques for automatic target recognition in infrared images. AIP Conference Proceedings, 2023, , .	0.3	0
2393	Face Detection in Thermal Images with Improved Spatial Precision and Temporal Stability. , 2023, , .		0
2404	Hardware Implementation of a Resource-Efficient Router for Multi-Core Spiking Neural Networks. , 2023, , .		0
2405	Deep Sparse Depth Completion Using Joint Depth and Normal Estimation. , 2023, , .		2
2407	Apples and Oranges? Assessing Image Quality over Content Recognition. , 2023, , .		0
2408	An Automated Approach to Waste Classification Using Deep Learning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2409	Overview of single-stage object detection models: from Yolov1 to Yolov7. , 2023, , .		3
2410	An Approach for Effective Object Detection. Communications in Computer and Information Science, 2023, , 23-34.	0.4	0
2411	Examination of bottle caps guided with image processing and deep neural networks. AIP Conference Proceedings, 2023, , .	0.3	0
2412	Assessing the Suitability of Different Machine Learning Approaches for Smart Traffic Mobility. , 2023, , .		1
2416	Swin-Transformer-Enabled YOLOv5 for Detection on Fetal Limb Deformity. Lecture Notes in Electrical Engineering, 2023, , 65-75.	0.3	0
2420	Bag of Strategies Set New State-of-the-art for Algae Object Detectors. , 2022, , .		50
2422	FewFine: Few-shot Malware Traffic Classification Via Transfer Learning based on Fine-tuning Strategy. , 2022, , .		0
2423	EPCA-ENet facilitates robotic hand recognition accuracy with flexible pressure sensor. , 2022, , .		0
2427	AI-Based Automated Surface Inspection of Steel Sheets. Lecture Notes in Mechanical Engineering, 2023, , 335-343.	0.3	0
2430	Lung Disease Detection using Deep Learning. , 2023, , .		0
2431	Face Mask and Social Distancing Detection in Real Time. Advances in Web Technologies and Engineering Book Series, 2023, , 157-180.	0.4	0
2434	Survey on Computer Vision Techniques for Internet-of-Things Devices. , 2023, , .		1
2436	Multisalient Object Detection and Recognition using Deep Learning Techniques. , 2023, , .		0
2438	A Modular Deep Learning Framework for Scene Understanding in Augmented Reality Applications. , 2023, , .		0
2442	Multi-sensor Ensemble-guided Attention Network for Aerial Vehicle Perception Beyond Visible Spectrum. , 2023, , .		0
2444	A Novel Early Indoor Fire Detection Method Based on Multi-sensor Device & Improved CNN-BiLSTM-Attention Model. , 2023, , .		0
2447	Video Tiny-Object Detection Guided by the Spatial-Temporal Motion Information. , 2023, , .		0
2448	Pareto-aware Neural Architecture Generation for Diverse Computational Budgets. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2449	A Convolutional Neural Network for Ultra-Wideband Radar-Based Hand Gesture Recognition. , 2023, , .		1
2451	An Advanced Auditory Response for Object Detection Using Deep Learning. , 2023, , .		0
2460	HPGER: Integrating Human Perception Into Group Emotion Recognition. , 2022, , .		0
2461	Cluster, Reconstruct and Prune: Equivalent Filter Pruning for CNNs without Fine-Tuning. , 2023, , .		0
2463	Performance Evaluation of YOLOv5 in Adverse Weather Conditions. , 2023, , .		0
2464	Domain Generalized Object Detection for Remote Sensing Images. , 2023, , .		2
2466	Investigating the Transferability of YOLOv5-Based Water Surface Object Detection Model in Maritime Applications. Communications in Computer and Information Science, 2023, , 103-115.	0.4	0
2470	Give Drivers a Safe Way Home: Early Warning of Car Accidents through Deep Learning. , 2023, , .		0
2486	YOLO-CCA: An Encoder-Decoder Framework Vehicle Detector Based on Channel Attention. , 2023, , .		0
2493	Recent Trends of Addressing COVID-19 Disease by AI/ML. Advances in Computational Intelligence and Robotics Book Series, 2023, , 395-419.	0.4	0
2495	Automated Analysis of Connections in Model Diagrams. Lecture Notes in Networks and Systems, 2023, , 123-135.	0.5	0
2498	Who Are the Money Launderers? Money Laundering Detection on Blockchain via Mutual Learning-Based Graph Neural Network. , 2023, , .		2
2499	Improving the Transferability of Adversarial Examples with Diverse Gradients. , 2023, , .		0
2501	BLUR & TRACK: Real-time Face Detection with Immediate Blurring and Efficient Tracking. , 2023, , .		0
2504	Breaking Through the Haze: An Advanced Non-Homogeneous Dehazing Method based on Fast Fourier Convolution and ConvNeXt. , 2023, , .		1
2505	Leveraging Future Trajectory Prediction for Multi-Camera People Tracking. , 2023, , .		6
2506	Automatic Detection of Comic Characters: An Analysis of Model Robustness Across Domains. Lecture Notes in Computer Science, 2023, , 151-162.	1.0	0
2511	Health Monitoring of Old Buildings in Bangladesh: Detection of Cracks and Dampness Using Image Processing. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2513	Phase-Shifting Coder: Predicting Accurate Orientation in Oriented Object Detection. , 2023, , .		12
2514	The Enemy of My Enemy is My Friend: Exploring Inverse Adversaries for Improving Adversarial Training. , 2023, , .		2
2515	Toward RAW Object Detection: A New Benchmark and A New Model. , 2023, , .		1
2516	Indoor Navigation Assistance System for Visually Impaired with Semantic Segmentation using EdgeTPU. , 2023, , .		1
2517	On the Difficulty of Unpaired Infrared-to-Visible Video Translation: Fine-Grained Content-Rich Patches Transfer. , 2023, , .		2
2518	Unicode Analogies: An Anti-Objectivist Visual Reasoning Challenge. , 2023, , .		0
2519	Convolutional neural networks for vehicle damage detection. AIP Conference Proceedings, 2023, , .	0.3	0
2522	Vision Based Object Dimension Detection. , 2023, , .		0
2525	Recognition of Objectâ€™s Opening Features Using Machine Learning. , 2023, , .		0
2526	Enhancing Surveillance and Face Recognition with YOLO-Based Object Detection. Smart Innovation, Systems and Technologies, 2023, , 373-383.	0.5	0
2528	Team DETR: Guide Queries as a Professional Team in Detection Transformers. , 2023, , .		1
2529	Task-Agnostic Open-Set Prototype for Few-Shot Open-Set Recognition. , 2023, , .		1
2531	Designing for Boundary Detection of Foreign Objects in Airports Using Python 3. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2023, , 92-99.	0.5	0
2533	Image Classification Through Graph Neural Networks andÂˆRandom Walks. Lecture Notes in Computer Science, 2023, , 226-235.	1.0	0
2536	The effectiveness of aggregate channel features in detecting targets in different environments. AIP Conference Proceedings, 2023, , .	0.3	0
2540	Empowering Individuals with Visual Impairments: A Deep Learning-Based Smartphone Navigation Assistant. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 19-30.	0.5	0
2541	A Lightweight Container Detection Network Model Based on YOLOv5s. , 2023, , .		0
2546	A Systematic Approach for Object Detection in Unconstrained Environments. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2547	Enhanced YOLOv4 for Facilitating Public Safety Management amidst Protests and Riots. , 2023, , .		0
2548	Visual-Haptic-Kinesthetic Object Recognition withÂMultimodal Transformer. Lecture Notes in Computer Science, 2023, , 233-245.	1.0	0
2549	Bilateral Mammogram Mass Detection Based onÂWindow Cross Attention. Lecture Notes in Computer Science, 2023, , 63-74.	1.0	0
2553	An AI-based Object Detection Approach for Robotic Competitions. , 2023, , .		0
2557	Predictive Intelligence Based Semiconductor Substrate Fault Detection Model with User Interface. Lecture Notes in Computer Science, 2023, , 377-386.	1.0	0
2559	Deep Learning-Based Multi-object Tracking. , 2023, , 183-199.		0
2560	Real-Time Vehicle Passenger Detection Through Deep Learning. , 2023, , .		0
2562	A Comprehensive Review and Discussion on Corn Leaf Disease Detection Using Artificial Intelligence. Algorithms for Intelligent Systems, 2023, , 197-205.	0.5	0
2564	Evaluation of Environmental Conditions on Object Detection Using Oriented Bounding Boxes for AR Applications. , 2023, , .		0
2565	Deep Learning-Based Connector Detection for Robotized Assembly of Automotive Wire Harnesses. , 2023, , .		0
2567	Adapting Faster R-CNN and Video Inpainting for Badminton Player Detection. , 2023, , .		0
2572	Deep Learning and Sensor Fusion Technique for Indigenous Intelligent Vision System for Theft Detection. , 2023, , .		0
2574	Review for Person Recognition Using Siamese Neural Network. Lecture Notes in Electrical Engineering, 2023, , 499-503.	0.3	0
2575	Performance Analysis of You Only Look Once, RetinaNet, and Single Shot Detector Applied to Vehicle Detection and Counting. Communications in Computer and Information Science, 2023, , 248-262.	0.4	0
2578	Real-Time Self-Harm Detection Ensuring Safety in Every Moment. , 2023, , .		0
2580	Machine Learning for Efficient Perception in Automotive Cyber-Physical Systems. , 2024, , 233-252.		0
2582	Development of a neural network model for solid municipal waste detection. AIP Conference Proceedings, 2023, , .	0.3	0
2583	Safety Helmet Wearing Detection Based on Particle Swarm Optimization YOLOv7. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2588	Real-Time Object Detection and Audio Feedback for the Visually Impaired. , 2023, , .		0
2589	YOLO-OR: a lightweight cross-stage object detection model for dish recycling robot. , 2023, , .		0
2590	Waste Management Detection Using Deep Learning. , 2023, , .		1
2601	Research on End Face Defect Detection of Small Sample Workpiece Based on Meta Learning. , 2022, , .		0
2603	A Six-Dof Parallel Robot-Assisted Dispensing Platform with Visual Servoing and Force Sensing for Accurate Needle Positioning and Mass Control. Lecture Notes in Computer Science, 2023, , 244-255.	1.0	0
2604	Detection of Camouflage-Covered Military Objects Using High-Resolution Multi-Spectral Satellite Imagery. , 2023, , .		0
2606	Traffic Sign Detection and Recognition Using Ensemble Object Detection Models. Lecture Notes in Networks and Systems, 2024, , 767-788.	0.5	0
2607	A Survey of Pedestrian to Infrastructure Communication System for Pedestrian Safety: System Components and Design Challenges. IFIP Advances in Information and Communication Technology, 2024, , 14-35.	0.5	0
2617	Weld Defects Detection by Neural Networks Based on Attention Mechanism. , 2023, , .		0
2621	Evaluating the Effect of Common Annotation Faults on Object Detection Techniques. , 2023, , .		0
2622	Real-Time Military Tank Detection Using YOLOv5 Implemented on Raspberry Pi. , 2023, , .		0
2623	A condensed review: Detection of fruits using SOTA object detection methods in deep learning. AIP Conference Proceedings, 2023, , .	0.3	0
2625	Detection and Recognition of Sino-Nom Characters on Woodblock-Printed Images. , 2023, , .		0
2628	Quality, Quantity and Type detection of Fruits inside Refrigerator through Smart Vision in IoT. , 2023, , .		0
2630	Real-time Detection and Tracking of Surgical Instrument Based on YOLOv5 and DeepSORT <sup>*</sup> . , 2023, , .		0
2632	YOLOPoint: Joint Keypoint and Object Detection. Lecture Notes in Computer Science, 2023, , 112-123.	1.0	0
2635	IndianFood-7: Detecting Indian Food Items Using Deep Learning-Based Computer Vision. Lecture Notes in Electrical Engineering, 2023, , 9-22.	0.3	0
2641	Introduction: Why Modelling?. , 2023, , 1-12.		0



#	ARTICLE	IF	CITATIONS
2642	Boat Monitoring and Classification System utilizing infrared and visual data streams for port safety enhancement. , 2023, , .		0
2647	Active Learningâ€™Methodology. SpringerBriefs in Applied Sciences and Technology, 2023, , 31-44.	0.2	0
2650	CD-COCO: A Versatile Complex Distorted COCO Database for Scene-Context-Aware Computer Vision. , 2023, , .		0
2652	Human Detection in crowd using One-stage and Two-stage object detection models. , 2023, , .		0
2654	Real-Time Vehicle fitness detection using YOLOv5. , 2023, , .		0
2656	Robust Environmental Perception of Multi-object Tracking. Recent Advancements in Connected Autonomous Vehicle Technologies, 2024, , 199-243.	0.1	0
2658	SeedingsNet: Field Wheat Seedling Density Detection Based on Deep Learning. Smart Agriculture, 2023, , 77-88.	0.3	0
2659	Copy-paste Augmentation for better saliency learning of underrepresented Object Classes. , 2023, , .		0
2661	Furnace status recognition based on involution network and decoupling learning. , 2023, , .		0
2663	Comparison of Object Detection Algorithm using YOLO vs Faster R-CNN : A Systematic Literature Review. , 2023, , .		0
2666	Object Detection and Classification Based on their 3D Models. , 2023, , .		0
2668	Enhancing Betel Nut Pest and Disease Identification in Hainan, China with Swin Transformer-YOLOv5: A Machine Learning-Based Approach for Improved Precision. , 2023, , .		0
2669	Aggregate channel features in detecting multiple targets of an indoor scene. AIP Conference Proceedings, 2023, , .	0.3	0
2674	Robust Pedestrian Detection in Inclement Weather and Occluded Scenarios: A Review. , 2023, , .		0
2678	Weapon detection using SSD MobileNet V2 and SSD resnet 50. AIP Conference Proceedings, 2023, , .	0.3	0
2680	Rotation Speed Identification of Multi-opening Objects Using Convolutional Neural Network. , 2023, , .		0
2685	Identification of Recycled Plastic Bottles by Convolutional Neural Network Based Polarization Information. , 2023, , .		0
2695	A Traffic Sign Recognition qnd Speech-BasedFeedback Generation System to Assist Drivers. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2696	Urban Lawns State Identification Method Based on Computer Vision. Communications in Computer and Information Science, 2024, , 400-411.	0.4	0
2699	Object Detection Using TensorFlow. Lecture Notes in Networks and Systems, 2023, , 343-352.	0.5	0
2700	Self-Supervised Learning from Unlabeled IoT Data. , 2023, , 27-110.		0
2701	Identification and Measurement of Sea Cucumber Based on YOLOv7 and GrabCut-RGBD. , 2023, , .		0
2702	A Comparative Analysis of Deep Learning-Based Object Detectors for Embedded Systems. , 2023, , .		0
2703	Detection and Comparative Results of Plant Diseases Based on Deep Learning. Communications in Computer and Information Science, 2024, , 422-436.	0.4	0
2705	OpenIncrement: A Unified Framework for Open Set Recognition and Deep Class-Incremental Learning. , 2023, , .		0
2706	CE <sup>2</sup> : A Copula Entropic Mutual Information Estimator for Enhancing Adversarial Robustness. Lecture Notes in Computer Science, 2024, , 163-174.	1.0	0
2708	Convolutional Neural Networks for Automated Retrieval of Fuel Price Data from Captured Images at Gas Stations. , 2023, , .		0
2709	A Novel Real-Time Parametric Tracking Approach for Robust Microwave Filter Tuning. , 2023, , .		0
2710	Improved Detection of Defects in Dialyzers Using Enhanced FCOS Network. , 2023, , .		0
2713	Accented visualization technology application for user experience analysis study. AIP Conference Proceedings, 2023, , .	0.3	0
2721	Multi-Sensor Object Detection System for Real-Time Inferencing in ADAS. , 2023, , .		0
2722	On Hyperparameters Tuning for Deep Learning Segmentation Models Applied to COVID-19 Computerized Tomography Images. IFMBE Proceedings, 2024, , 61-71.	0.2	0
2731	Advances, Challenges and Opportunities in Deep Learning Approach for Object Detection: A Review. , 2023, , .		0
2732	Evaluation of the Influence of Multispectral Imaging for Object Detection in Pineapple Crops. , 2023, , .		0
2733	Optimal Solution for Distance Detection Using Deep Learning Techniques on Embedded Devices. Lecture Notes in Electrical Engineering, 2024, , 369-382.	0.3	0
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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