A Review of Yolo Algorithm Developments

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Deep Learning Method for Foot Progression Angle Detection in Plantar Pressure Images. Sensors, 2022, 22, 2786.	2.1	14
2	Multi-Target Association for UAVs Based on Triangular Topological Sequence. Drones, 2022, 6, 119.	2.7	7
3	Content based Image Retrieval Method that Combining CNN based Image Features and Object Recognition Information. The Journal of Korean Institute of Information Technology, 2022, 20, 31-37.	0.1	1
4	A turnaround control system to automatically detect and monitor the time stamps of ground service actions in airports: A deep learning and computer vision based approach. Engineering Applications of Artificial Intelligence, 2022, 114, 105032.	4.3	7
5	Accessing Topological Feature of Polycrystalline Microstructure Using Object Detection Technique. SSRN Electronic Journal, 0, , .	0.4	0
6	GAN-Based Image Dehazing for Intelligent Weld Shape Classification and Tracing Using Deep Learning. Applied Sciences (Switzerland), 2022, 12, 6860.	1.3	2
7	Automatic Roadside Feature Detection Based on Lidar Road Cross Section Images. Sensors, 2022, 22, 5510.	2.1	4
8	Improved YOLOv5: Efficient Object Detection Using Drone Images under Various Conditions. Applied Sciences (Switzerland), 2022, 12, 7255.	1.3	68
9	Improved Faster R-CNN for the Detection Method of Industrial Control Logic Graph Recognition. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	0
10	Driving State Discrimination Algorithm Based on Lightweight Network and Contrast Learning. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	0.7	2
11	Multiple Mechanisms to Strengthen the Ability of YOLOv5s for Real-Time Identification of Vehicle Type. Electronics (Switzerland), 2022, 11, 2586.	1.8	6
12	RGBD image based human detection for electromechanical equipment in underground coal mine. , 2022, , .		1
13	IFD: An Intelligent Fast Detection for Real-Time Image Information in Industrial IoT. Applied Sciences (Switzerland), 2022, 12, 7847.	1.3	1
14	Once Learning for Looking and Identifying Based on YOLO-v5 Object Detection. , 2022, , .		4
15	Airborne Infrared Imaging Simulation for Target Recognition. IEEE Journal of Radio Frequency Identification, 2022, , 1-1.	1.5	0
16	End to End Invoice Processing Application Based on Key Fields Extraction. IEEE Access, 2022, 10, 78398-78413.	2.6	4
17	MusicFactory: Application ofÂaÂConvolutional Neural Network forÂtheÂGeneration ofÂSoundscapes fromÂImages. Advances in Intelligent Systems and Computing, 2023, , 156-164.	0.5	0
18	Unsupervised SAR Imagery Feature Learning with Median Filter-Based Loss Value. Sensors, 2022, 22, 6519.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Deep Learning in Left and Right Footprint Image Detection Based on Plantar Pressure. Applied Sciences (Switzerland), 2022, 12, 8885.	1.3	5
20	Artificial Intelligence Methods for Identifying and Localizing Abnormal Parathyroid Glands: A Review Study. Machine Learning and Knowledge Extraction, 2022, 4, 814-826.	3.2	4
21	Deep Learning based Ship Variants Classification Using Different Scale Images. Journal of Intelligent Systems Theory and Applications, 2022, 5, 161-167.	0.3	2
22	Towards Lightweight Neural Networks for Garbage Object Detection. Sensors, 2022, 22, 7455.	2.1	7
23	Performance Comparison of Various YOLO Architectures on Object Detection of UAV Images. , 2022, , .		5
24	Semantically Annotated Cooking Procedures for an Intelligent Kitchen Environment. Electronics (Switzerland), 2022, 11, 3148.	1.8	1
25	A Real-Time Detection Algorithm of Flame Target Image. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.1	1
26	Identification and Detection of Biological Information on Tiny Biological Targets Based on Subtle Differences. Machines, 2022, 10, 996.	1.2	4
27	Machine Recognition of Map Point Symbols Based on YOLOv3 and Automatic Configuration Associated with POI. ISPRS International Journal of Geo-Information, 2022, 11, 540.	1.4	1
28	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
29	Detection of powdery mildew on strawberry leaves based on DAC-YOLOv4 model. Computers and Electronics in Agriculture, 2022, 202, 107418.	3.7	12
30	Deep learning model for automated detection of efflorescence and its possible treatment in images of brick facades. Automation in Construction, 2023, 145, 104658.	4.8	6
31	An Open Souce System for People Counting based on 802.11 Packets Tracking. , 2022, , .		1
32	Güncel Bilgisayarlı Görme Teknikleri Kullanılarak Karın Bölgesi Hastalık Tespitinin Gerçekleştirilmesi ve Sonuçlarının Analizi. Academic Perspective Procedia, 2022, 5, 387-396.	0.0	0
33	METRIC: Toward a Drone-based Cyber-Physical Traffic Management System. , 2022, , .		2
34	Detection of Japanese Quails (<i>Coturnix japonica</i>) in Poultry Farms Using YOLOv5 and Detectron2 Faster R-CNN. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2022, 26, 930-936.	0.5	3
35	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
36	Real Time Traffic Sign Recognition Algorithm Based on SG-YOLO. Communications in Computer and Information Science, 2022, , 86-99.	0.4	0

#	ARTICLE	IF	CITATIONS
37	An improved algorithm for small object detection based on YOLO v4 and multi-scale contextual information. Computers and Electrical Engineering, 2023, 105, 108490.	3.0	23
38	ReSTiNet: An Efficient Deep Learning Approach to Improve Human Detection Accuracy. MethodsX, 2023, 10, 101936.	0.7	1
39	Automatic mileage positioning for road inspection using binocular stereo vision system and global navigation satellite system. Automation in Construction, 2023, 146, 104705.	4.8	4
40	Sweet potato leaf detection in a natural scene based on faster R-CNN with a visual attention mechanism and DIoU-NMS. Ecological Informatics, 2023, 73, 101931.	2.3	16
41	Moving+: Semantic Scene Classification on YOLOv5. Lecture Notes in Computer Science, 2022, , 59-69.	1.0	0
42	Research on Worksite's Video Image Safety Helmet Detection Method Based on Cloud-edge Cooperation. , 2022, , .		0
43	A Deep Learning Approach to Classify Drones and Birds. , 2022, , .		2
44	Vision-Based Detection and Classification of Used Electronic Parts. Sensors, 2022, 22, 9079.	2.1	5
45	Insect Detection in Sticky Trap Images of Tomato Crops Using Machine Learning. Agriculture (Switzerland), 2022, 12, 1967.	1.4	6
46	Comparison between Grad-CAM and EigenCAM on YOLOv5 detection model. , 2022, , .		1
47	End Face Recognition and Positioning Method in Unstable Definition Image based on Cross Entropy Estimation. , 2022, , .		0
48	YOLO-T: Multitarget Intelligent Recognition Method for X-ray Images Based on the YOLO and Transformer Models. Applied Sciences (Switzerland), 2022, 12, 11848.	1.3	5
49	Analysis of Optimizers on AlexNet Architecture for Face Biometric Authentication System. , 2022, , .		2
50	Interactive Drone Control with Gesture and Posture on the Edge Computing Platform. , 2022, , .		0
51	Early and on-ground image-based detection of poppy (*Papaver rhoeas*) in wheat using YOLO architectures. Weed Science, 2023, 71, 50-58.	0.8	5
52	Measuring Comfort Behaviours in Laying Hens Using Deep-Learning Tools. Animals, 2023, 13, 33.	1.0	3
53	Water Meter Reading for Smart Grid Monitoring. Sensors, 2023, 23, 75.	2.1	9
54	A Low-Resolution Used Electronic Parts Image Dataset for Sorting Application. Data, 2023, 8, 20.	1.2	1

#	ARTICLE	IF	CITATIONS
55	A Novel Gripper Prototype for Helical Bird Diverter Manipulation. Drones, 2023, 7, 60.	2.7	3
56	Advanced Transportation Safety Using Real-Time GIS-Based Alarming System for Animal-Prone Zones and Pothole Areas. Journal of Transportation Engineering Part A: Systems, 2023, 149, .	0.8	1
57	Comparative Performance of Convolutional Neural Networks Architecture for Face Biometric Authentication System. , 2022, , .		0
58	A Comparative Study of YOLOv5 models on American Sign Language Dataset. , 2022, , .		0
59	Detecting Holes in Fishery Nets using an ROV. , 2022, , .		0
60	Real-Time Personal Protective Equipment Compliance Detection Based on Deep Learning Algorithm. Sustainability, 2023, 15, 391.	1.6	6
61	Object Detection for Construction Waste Based on an Improved YOLOv5 Model. Sustainability, 2023, 15, 681.	1.6	11
62	Parcel Classification and Positioning of Intelligent Parcel Storage System Based on YOLOv5. Applied Sciences (Switzerland), 2023, 13, 437.	1.3	7
63	THE APPLICATION OF DRONE-ASSISTED DEEP LEARNING TECHNOLOGY IN RIVERBANK GARBAGE DETECTION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2022, 78, I_133-I_138.	0.0	0
64	A Novel Defect Detection Method forÂInsulators ofÂPower Transmission Line Based onÂYOLOv5. Communications in Computer and Information Science, 2022, , 135-146.	0.4	2
65	Integration of Reinforcement Learning and Unreal Engine for Enemy Containment via Autonomous Swarms. , 2023, , .		0
66	<scp>DBFâ€YOLO</scp>: <scp>UAV</scp> Small Targets Detection Based on Shallow Feature Fusion. IEEJ Transactions on Electrical and Electronic Engineering, 2023, 18, 605-612.	0.8	9
67	Exploring Deep Learning for Detection of Poultry Activities â€" Towards an Autonomous Health and Welfare Monitoring in Poultry Farms. , 2023, , .		0
68	GBH-YOLOv5: Ghost Convolution with BottleneckCSP and Tiny Target Prediction Head Incorporating YOLOv5 for PV Panel Defect Detection. Electronics (Switzerland), 2023, 12, 561.	1.8	29
69	Detection and Classification of Printed Circuit Boards Using YOLO Algorithm. Electronics (Switzerland), 2023, 12, 667.	1.8	10
70	EMOD: Efficient Moving Object Detection via Image Eccentricity Analysis and Sparse Neural Networks. , 2023, , .		1
71	Improved Field-Based Soybean Seed Counting and Localization with Feature Level Considered. Plant Phenomics, 2023, 5, .	2.5	7
72	Social Distance Detector Using Computer Vision and Deep Learning to Combat COVID-19. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
73	Identification of Philippine Therapeutic Leave using Deep Learning. , 2022, , .		0
74	Precise Segmentation onÂPoly-Yolo, YoloV5 andÂFCN. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 54-68.	0.2	0
75	An adaptive focused target feature fusion network for detection of foreign bodies in coal flow. International Journal of Machine Learning and Cybernetics, 2023, 14, 2777-2791.	2.3	3
76	Advancements and Challenges in Machine Learning: A Comprehensive Review of Models, Libraries, Applications, and Algorithms. Electronics (Switzerland), 2023, 12, 1789.	1.8	18
77	Traffic load simulation on bridges based on improved non-contact machine vision technique and multi-source information fusion. Measurement: Journal of the International Measurement Confederation, 2023, 213, 112754.	2.5	0
78	Lightweight object detection algorithm for robots with improved YOLOv5. Engineering Applications of Artificial Intelligence, 2023, 123, 106217.	4.3	14
79	A Comparison of Deep Neural Network Architectures in Aircraft Detection from SAR Imagery. Springer Optimization and Its Applications, 2022, , 91-111.	0.6	0
80	Coarse-to-fine visual autonomous unmanned aerial vehicle landing on a moving platform. Biomimetic Intelligence and Robotics, 2023, 3, 100088.	1.1	0
81	A Smart Trap for Counting Olive Moths Based on the Internet of Things and Deep Learning. , 2022, , .		0
82	Blood Cells Counting and Localisation through Deep Learning Object Detection. , 2022, , .		0
83	Smart Grid monitoring through Deep Learning for Image-based Automatic Dial Meter Reading. , 2022, , .		2
84	Fused Thermal and RGB Imagery for Robust Detection and Classification of Dynamic Objects in Mixed Datasets via Pre-Trained High-Level CNN. Remote Sensing, 2023, 15, 723.	1.8	2
85	Accessing topological feature of polycrystalline microstructure using object detection technique. Materialia, 2023, 27, 101697.	1.3	1
86	A Method for Long-Term Target Anti-Interference Tracking Combining Deep Learning and CKF for LARS Tracking and Capturing. Remote Sensing, 2023, 15, 748.	1.8	3
87	Construction Site Hazards Identification Using Deep Learning and Computer Vision. Sustainability, 2023, 15, 2358.	1.6	9
88	Real-Time Relative Positioning Study of an Underwater Bionic Manta Ray Vehicle Based on Improved YOLOx. Journal of Marine Science and Engineering, 2023, 11, 314.	1.2	2
89	Deep Learning for Drawing Numbering in Engineering Drawing Management: A Case Study for Refrigerated Compartment Product. International Journal of Pattern Recognition and Artificial Intelligence, 2023, 37, .	0.7	2
90	Two Novel Models for Traffic Sign Detection Based on YOLOv5s. Axioms, 2023, 12, 160.	0.9	15

#	Article	IF	Citations
91	Eye Recognition by YOLO for Inner Canthus Temperature Detection in the Elderly Using a Transfer Learning Approach. Sensors, 2023, 23, 1851.	2.1	3
92	Signal Synchronization of Traffic Lights Using Reinforcement Learning. , 2022, , .		0
93	Garbage Recognition Algorithm Based on Self-attention Mechanism and Deep Sorting. Communications in Computer and Information Science, 2023, , 511-522.	0.4	0
94	Using Mobile Edge AI to Detect and Map Diseases in Citrus Orchards. Sensors, 2023, 23, 2165.	2.1	2
95	Converge of coordinate attention boosted YOLOv5 model and quantum dot labeled fluorescent biosensing for rapid detection of the poultry disease. Computers and Electronics in Agriculture, 2023, 206, 107702.	3.7	6
96	Training YOLO v4 on DOTA dataset. , 2023, , .		1
97	Deep learning based atomic defect detection framework for two-dimensional materials. Scientific Data, 2023, 10, .	2.4	4
98	Image-based bolt self-localization and bolt-loosening detection using deep learning and an improved homography-based prospective rectification method. Advances in Structural Engineering, 0, , 136943322311572.	1.2	0
99	A Before-and-After Study of a Collision Risk Detecting and Warning System on Local Roads. Journal of Advanced Transportation, 2023, 2023, 1-13.	0.9	1
100	Swin Transformer-Based Object Detection Model Using Explainable Meta-Learning Mining. Applied Sciences (Switzerland), 2023, 13, 3213.	1.3	4
101	An Improved YOLOv5 Network for Detection of Printed Circuit Board Defects. Journal of Sensors, 2023, 2023, 1-10.	0.6	2
102	Robust Classification and Detection of Big Medical Data Using Advanced Parallel K-Means Clustering, YOLOv4, and Logistic Regression. Life, 2023, 13, 691.	1.1	11
103	Small-object detection based on YOLOv5 in autonomous driving systems. Pattern Recognition Letters, 2023, 168, 115-122.	2.6	45
104	Using lightweight deep learning algorithm for real-time detection of apple flowers in natural environments. Computers and Electronics in Agriculture, 2023, 207, 107765.	3.7	21
105	Detection of Oil Palm Fresh Fruit Bunches (FFBS) with Computer Vision Models. , 2022, , .		1
106	Fish Detection and Classification for Automatic Sorting System with an Optimized YOLO Algorithm. Applied Sciences (Switzerland), 2023, 13, 3812.	1.3	4
107	Formation of a Lightweight, Deep Learning-Based Weed Detection System for a Commercial Autonomous Laser Weeding Robot. Applied Sciences (Switzerland), 2023, 13, 3997.	1.3	4
108	An Application for the Human-Computer Interaction Game Based on Yolov5. , 0, 34, 218-221.		0

#	ARTICLE	IF	CITATIONS
109	ODRP: a new approach for spatial street sign detection from EXIF using deep learning-based object detection, distance estimation, rotation and projection system. Visual Computer, 2024, 40, 983-1003.	2.5	5
110	An Underwater Target Wake Detection in Multi-Source Images Based on Improved YOLOv5. IEEE Access, 2023, 11, 31990-31996.	2.6	2
111	Distributed Spatial Transformer for Object Tracking in Multi-Camera. , 2023, , .		2
112	Evaluation of Duck Egg Hatching Characteristics with a Lightweight Multi-Target Detection Method. Animals, 2023, 13, 1204.	1.0	2
113	Fixed-Wing Unmanned Aerial Vehicle 3D-Model-Based Tracking for Autonomous Landing. Drones, 2023, 7, 243.	2.7	1
114	The COVID'19 Dashboard with Implementation of Face Mask Detection and Social Distancing Detection Algorithm. , 2023, , .		0
115	Efficient multi-scale representation of visual objects using a biologically plausible spike-latency code and winner-take-all inhibition. Biological Cybernetics, 2023, 117, 95-111.	0.6	2
116	Real-Time Human Detection for Intelligent Video Surveillance: An Empirical Research and In-depth Review of its Applications. SN Computer Science, 2023, 4, .	2.3	1
117	An Improved Mineral Image Recognition Method Based on Deep Learning. Jom, 2023, 75, 2590-2602.	0.9	5
118	Deep-Learning-Based Trunk Perception with Depth Estimation and DWA for Robust Navigation of Robotics in Orchards. Agronomy, 2023, 13, 1084.	1.3	3
119	Tea leaf disease detection and identification based on YOLOv7 (YOLO-T). Scientific Reports, 2023, 13, .	1.6	24
120	Identification and Localization of COVID-19Abnormalities on Chest Radiographs using Computer Vision. , 2023, , .		1
121	Methods for Detecting and Classifying Weeds, Diseases and Fruits Using AI to Improve the Sustainability of Agricultural Crops: A Review. Processes, 2023, 11, 1263.	1.3	3
122	Mislaying behavior detection in cage-free hens with deep learning technologies. Poultry Science, 2023, 102, 102729.	1.5	9
123	Regression based computer vision analysis of volume-fraction effect on Pbâ€"Sn solidâ€"liquid coarsening in microgravity. Applied Physics A: Materials Science and Processing, 2023, 129, .	1.1	0
124	An Active Multi-Object Ultrafast Tracking System with CNN-Based Hybrid Object Detection. Sensors, 2023, 23, 4150.	2.1	2
131	Fault Detection of Oil Palm Harvesting Using Yolo V4. , 2023, , .		1
132	Strategies for Improving Object Detection in Real-Time Projects that use Deep Learning Technology. , 2023, , .		3

#	ARTICLE	IF	CITATIONS
133	Automatic Detection of Civilian and Military Personnel in Reconnaissance Missions using a UAV. , 2023, , .		3
135	Real Time Detection and Tracking in Multi Speakers Video Conferencing. Lecture Notes in Networks and Systems, 2023, , 108-118.	0.5	1
141	Vision and UWB-Based Collaborative Positioning Between Ground and UAS Platforms. , 2023, , .		0
148	An intelligent multi-sensor cooperative perception framework for situational awareness enhancement (Conference Presentation). , 2023, , .		0
149	Design a Robust Real-Time Trash Detection System Using YOLOv5 Variants. , 2023, , .		0
153	Robotic Arm for Unfastening Screws in Automated Disassembly Process. , 2023, , .		1
154	Detecting Holes in Fish Farming nets: A Twoâ€"Method approach. , 2023, , .		0
155	Real-Time YOLO-family Comparison for Blast Quality Estimation in the Open Pit Conditions. , 2023, , .		1
160	Remote Controlled Unmanned Water Vehicle with Human Detection and GPS Using Yolov4 for Flood Search Operations. , 2023, , .		0
161	Traffic Sign Detection and Recognition Using YOLOv5 and Its Versions. , 2022, , .		0
163	Blood Serum Recognition Method for Robotic Aliquoting Using Different Versions of the YOLO Neural Network. Mechanisms and Machine Science, 2023, , 150-157.	0.3	0
165	Detection Method of Coconut Development Intelligence Based on Improved YOLO V5 Model. , 2022, , .		0
166	Mangoes Taste Detection System Using Deep Learning. , 2023, , .		0
168	Moving Object Detection Based on Enhanced Yolo-V2 Model. , 2023, , .		2
169	Real-time Traffic Surveillance and Detection using Deep Learning and Computer Vision Techniques. , 2023, , .		0
174	Development of an Artificial Intelligence (AI) Based Visual Counting System for the Food Industry. , 2023, , .		0
181	Development of Automated Oxygen Indicator Color Discrimination Using Artificial Intelligent Technology. , 2023, , .		0
183	Parameters Optimization of YOLO Algorithm for Vehicle Detection in SMIT Campus. Lecture Notes in Electrical Engineering, 2023, , 61-71.	0.3	0

#	ARTICLE	IF	CITATIONS
184	A Hybrid Deep Learning Spectrum Sensing Architecture for IoT Technologies Classification. , 2023, , .		0
188	Design of High-Performance Battery Cover Flaw Detection System. , 2023, , .		1
190	Research on Road Sign Recognition of Visual Navigation Vehicle Based on the YOLO Deep Learning Algorithm. , 2023, , .		0
193	Using a Monocular Camera for 360â˜ Dynamic Object Instance Segmentation in Traffic. , 0, , .		0
197	Platform forÂtheÂAnalysis ofÂtheÂDensity ofÂShopping Carts inÂaÂSupermarket. Advances in Intelligent Systems and Computing, 2023, , 335-343.	0.5	0
198	Person Detection and Tracking Using UAV and Neural Networks. , 2023, , .		0
200	Crop and Weed Detection in Sunflower and Sugarbeet fields Using Single Shot Detectors. , 2023, , .		0
209	Real-Time Color Detection for Automated Production Lines Using CNN-Based Machine Learning. Lecture Notes in Networks and Systems, 2023, , 167-181.	0.5	3
213	Comparative Analysis of YOLO Algorithms for Intelligent Traffic Monitoring. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 159-168.	0.5	0
217	Visual Gyroscope: Combination of Deep Learning Features and Direct Alignment for Panoramic Stabilization. , 2023, , .		0
218	Traffic Congestion Prevention Using Ant Colony Optimization. , 2023, , .		0
219	Smart Standalone Edge IoT Device for Traffic Volume Counting in Smart Cities. , 2023, , .		2
220	Exploring theÂIncremental Improvements ofÂYOLOv5 onÂTracking andÂIdentifying Great White Sharks inÂCape Town. Lecture Notes in Networks and Systems, 2023, , 1455-1473.	0.5	0
224	Real- Time Detecting and Tracking of Squids Using YOLOv5. , 2023, , .		0
225	An Integrated Framework for Bird Recognition Using Dynamic Machine Learning-Based Classification. , 2023, , .		1
226	Feedback Driven Multi Stereo Vision System for Real-Time Event Analysis. , 2023, , .		0
228	Improved YOLOv5s Based Steel Leaf Spring Identification. Communications in Computer and Information Science, 2023, , 3-17.	0.4	0
230	A Deep Learning Ensemble forÂUltrasonic Weld Quality Control. Lecture Notes in Networks and Systems, 2023, , 145-152.	0.5	0

#	Article	IF	Citations
232	Application of Object Detection in Autonomous Driving. , 2023, , .		0
234	Monitoring System forÂDetecting Non-inclusive Situations inÂSmart Cities. Lecture Notes in Networks and Systems, 2023, , 405-416.	0.5	0
246	Statistical Analysis of Design Aspects of Various YOLO-Based Deep Learning Models for Object Detection. International Journal of Computational Intelligence Systems, 2023, 16, .	1.6	15
250	Vehicle Detection in Autonomous Vehicles Using Computer Vision. Advances in Intelligent Systems and Computing, 2023, , 17-34.	0.5	2
252	A LiDAR-assisted Smart Car-following Framework for Autonomous Vehicles. , 2023, , .		1
253	Intelligent System for Landscape(ISI) Integrated with Optimized Scene Segmentation Algorithm. , 2023, , .		0
256	Ultra-Sonic Sensor based Object Detection for Autonomous Vehicles. , 2023, , .		3
257	Learning Method to Detect Anomalies in Sewer Pipe Images Using Object Detection. , 2023, , .		0
260	LA-layer: General local attention layer for full attention networks. , 2023, , .		0
263	YOLOv5 Model-based Ship Detection in High Resolution SAR Images. , 2023, , .		0
264	Design of Intelligent Traffic Sign Recognition System Based on Man-Machine-Environment System Engineering. Lecture Notes in Electrical Engineering, 2023, , 663-669.	0.3	0
266	Convolutional Neural Networks for Abnormal Behavior Detection in a Special Place. , 2023, , .		0
270	Depalletisation humanoid torso: Real-time cardboard package detection based on deep learning and pose estimation algorithm. , 2023, , .		0
271	SATPlate: A Germany License Plate Detection Dataset and Baselines. , 2023, , .		0
274	Lane and Bump Detection Based on Computer Vision and Deep Learning Methods. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 31-42.	0.5	0
276	EMBiL: An English-Manipuri Bi-lingual Benchmark forÂScene Text Detection andÂLanguage Identification. Lecture Notes in Computer Science, 2023, , 65-75.	1.0	0
279	Enhanced YOLOv4 for Facilitating Public Safety Management amidst Protests and Riots. , 2023, , .		0
280	European Processor Initiative Demonstration of Integrated Semi-Autonomous Driving System. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
281	Real-Time Vehicle Passenger Detection Through Deep Learning. , 2023, , .		0
282	GeoImageCut: A Toolkit for Image Cut from Geoscience Literature. , 2023, , .		0
285	YOLOv5-based Fatigued Driving Detection. , 2023, , .		0
286	Comparing Object Detection Models for Water Trash Monitoring. Lecture Notes in Civil Engineering, 2024, , 161-170.	0.3	0
287	Deep Learning and Sensor Fusion Technique for Indigenous Intelligent Vision System for Theft Detection. , 2023, , .		0
288	Robotic Slag Removal System with Position Compensation and Defect Detection based on YOLO Algorithm. , 2023, , .		0
289	Automation of Skin Cancer Detection with Image Processing Using Efficient and Lightweight CNN Models. , 2023, , .		1
293	Glomeruli Detection Using Faster R-CNN and CenterNet. , 2023, , .		0
294	Traffic Flow Optimization Using CNN and GCN for Adaptive Signal Control. , 2023, , .		0
295	Removing individuals from video streams throught facial recognition. , 2023, , .		0
305	A Review on Augmented Reality and YOLO. , 2023, , .		0
306	Deep Learning Based Object Detection in Surveillance Video. , 2023, , .		0
308	Autonomous Sorting with 6 DOF Robotic Arm using Machine Vision. , 2023, , .		0
309	Detection of Mid Mesial Canal in Dental CBCT Images Using Combined YOLO and 2D U-Net Model. , 2023, , .		0
312	Design of Mask Detection System based on Deep Learning. , 2022, , .		0
313	Improved YOLOv5s Object Algorithm Based on Decoupled Head Module. , 2023, , .		0
314	Empowering Local Wood Detection with YOLO5 and Convolutional Neural Network Architecture. , 2023, , .		0
315	DyHead-YOLOv5 Based on Improved Object Detection Heads with Attentions. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
318	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
319	Mulco: Recognizing Chinese Nested Named Entities through Multiple Scopes. , 2023, , .		0
330	An Automatic Fabric Defect Detector Using anÂEfficient Multi-scale Network. Lecture Notes in Computer Science, 2024, , 41-53.	1.0	0
331	Optimization of a Deep Learning Model for E. Coli Detection Based on Annotation Strategies. , 2023, , .		0
332	Object Detection in Autonomous Vehicles. , 2023, , .		0
334	Real Time Fire and Smoke Detection on RGB Images Using YOLOv7 with Optimized Hyper-Parameters. , 2023, , .		0
336	Object-aware Multi-criteria Decision-Making Approach using the Heuristic data-driven Theory for Intelligent Transportation Systems. , 2023, , .		0
340	Research ofÂHighway Vehicle Inspection Based onÂImproved YOLOv5. Lecture Notes in Computer Science, 2024, , 177-188.	1.0	0
348	Boat Monitoring and Classification System utilizing infrared and visual data streams for port safety enhancement. , 2023, , .		0
351	Investigation of YOLO models in the detection and classification of multiple negative road anomalies. , 2023, , .		1
352	Enhanced Food Classification System Using YOLO Models For Object Detection Algorithm. , 2023, , .		0
353	Non-invasive Synthesis fromÂVision Sensors forÂtheÂGeneration ofÂ3D Body Landmarks, Locations andÂIdentification inÂSmart Environments. Lecture Notes in Networks and Systems, 2023, , 57-68.	0.5	0
354	Ghaf Tree Detection from Unmanned Aerial Vehicle Imagery Using Convolutional Neural Networks. , 2023, , .		0
355	MC-YOLOv5: A small target detection model based on YOLOv5. , 2023, , .		0
356	The ensemble of neural networks to track eye movements. , 2023, , .		0
357	Deep Neural Network Based Automatic Litter Detection in Desert Areas Using Unmanned Aerial Vehicle Imagery. , 2023, , .		0
361	Object Recognition and Spatial Relationship Determination in Point Clouds. , 2023, , .		0
362	Smart Telescope System with Automatic Tracking. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
365	Feature Enhancement Algorithm for Recognition of Small Targets in Low Resolution Images. , 2023, , .		0
366	Improvement of Soft-YOLOv5 Algorithm for Stray Cats and Dogs Detection. , 2023, , .		0
367	Age Estimation from Facial Images Using the YOLO Algorithm. , 2023, , .		0
368	Advanced Object Detection for Capsules and Tablets Identification Through Deep Learning. , 2023, , .		0
378	Deep Learning Based Printed Circuit Boards Defect Detection Using Multiple Depth 2D X-Ray Image. , 2023, , .		0
379	iOk Platform for Automated Object Detection and Analysis in Microscopy Images. , 2023, , .		0
380	A differential geometry-based method for detecting etching defects in high-density interconnect IC substrates. , 2023, , .		0
381	Vehicle License Plates Recognition Using Object Detection and Classification Algorithms. Lecture Notes in Networks and Systems, 2023, , 244-252.	0.5	0
384	Comparison Analysis of YOLO, ResNet, and EfficientNet for contagious skin diseases. , 2023, , .		0
388	Comparing YOLO-based Detectors for Pedestrian and Car Detection in Aerial Static Video: An Evaluation of Generalization Capacity and Performance. , 2023, , .		0
390	Cyclist Route Assessment Using Machine Learning. , 0, , .		0
393	YOLO: A way to identify gemstone and predict its relevant finger to wear. AIP Conference Proceedings, 2023, , .	0.3	0
398	An In-Situ Deep Learning-Based Defect Detection Technology for Additive Manufacturing Process. , 2023, , .		0
399	Custom AI Streaming Accelerator Architecture. , 2023, , .		0
403	Poultry Disease Detection in Chicken Fecal Images Through Annotated Polymerase Chain Reaction Dataset Using YOLOv7 And Soft-Nms Algorithm. , 2023, , .		0
404	A Vision-Based Neural Networks Model for Turbine Trench-Filler Diagnosis. Lecture Notes in Mechanical Engineering, 2024, , 1-14.	0.3	0
405	Automatic Localization of Pancreatic Tumoral Regions in Whole Sequences of Echoendoscopy Procedures. , 2023, , .		0
408	Real-Time Low-Light Image Enhancement Method for Train Driving Scene Based on Improved Zero-DCE. Lecture Notes in Electrical Engineering, 2024, , 9-18.	0.3	0

#	ARTICLE	IF	CITATIONS
410	Digital Archive Stamp Detection and Extraction. Communications in Computer and Information Science, 2024, , 165-174.	0.4	0
412	Transfer-Learning and YOLO V7 Hybridised for Human Cropping for Deepfake Detection Algorithms. , 2023, , .		0
415	Development of an Automotive Safety System for Pedestrian Detection by Fusing Information from Reversing Camera and Proximity Sensors Using Convolutional Neural Networks. , 2023, , .		0
420	An Efficient System for Personal Information Search in Cyberspace Using Facial Recognition Technology. , 2023, , .		0
424	Development of Identification System for Cactaceae Plants using YOLO Algorithm. , 2023, , .		0
426	The contribution from electrical and electronic engineering to environmental protection. , 2024, , .		0
429	Fusion of Image and Point Cloud for Accurate Obstacle Detection in Autonomous Driving. , 2023, , .		0
431	Integration of Unmanned Aerial Vehicle Systems With Machine Learning Algorithms for Wildlife Monitoring and Conservation. Advances in Computational Intelligence and Robotics Book Series, 2024, , 121-159.	0.4	0
433	CAD2X - A Complete, End-to-End Solution for Training Deep Learning Networks for Industrial Applications. , 2023, , .		0
434	Dental Disease Detection based on CNN for Panoramic Dental Radiographs. , 2023, , .		0
435	Wind turbine extraction utilizing high-resolution satellite imagery. , 2024, , .		0
436	Detection of Nuclei for Breast Cancer Detection Using Histopathology Images. , 2023, , .		0
437	Weapon Detection from Surveillance Footage in Real-Time Using Deep Learning. , 2023, , .		0
438	An Autonomous Garbage Removal Approach Using Resnet as Backbone and MaskRcnn for Segmentation. , 2023, , .		0
439	Efficient Relative Coordinate Inference for Dynamic SLAM Exploiting Monocular Cameras. , 2023, , .		0
440	Cambodian Multi-Script License Plates Recognition: An Experimental Study. , 2023, , .		0
441	Proposed Methodology for Real-Time Pistol Detection System. , 2023, , .		0
442	AGV Dynamic Recognition Algorithm based on Optimized YOLOv3. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
446	Automatic Crack Detection in Ore Leach Dump using Transfer Learning. , 2023, , .		0
451	A Multi-Task Water Surface Visual Perception Network for Unmanned Surface Vehicles. , 2023, , .		0
454	Experimental Study on Chess Board Setup Using Delta Parallel Robot Based on Deep Learning. , 2023, , .		3
455	Autonomous Vision-based Robotic Grasping of Household Objects: A Practical Case Study. , 2023, , .		1
457	Pest identification system in images using deep learning. , 2022, , .		0
458	The Application and Expansion of the YOLO Algorithm in the Field of Campus Cat and Dog Identification. , 2023, , .		0
459	A Small Model Traffic Flow Count Algorithm Based on Improved YOLOv5n and DeepSORT. , 2023, , .		0
460	Path Planning Based on YOLOX and Improved Dynamic Window Approach. Lecture Notes in Electrical Engineering, 2024, , 26-36.	0.3	0
461	Multi-scale Convolution Kernels and Residual Components for Deciduous Leaves Detection. Lecture Notes in Electrical Engineering, 2024, , 143-150.	0.3	0
465	Few-Shot Object Detection Based on Generalized Features. , 2023, , .		0
475	A High-Accuracy Deformable Model forÂHuman Face Mask Detection. Lecture Notes in Computer Science, 2024, , 96-109.	1.0	0
477	Improved Personnel Statistics Algorithm for Construction Main Working Face Based on YOLOv5. , 2023, , .		0
478	An End-To-End System For Road Agent Behavior Classification. , 2023, , .		0
479	Computer Vision-Based Roof Detection using YOLOv4. , 2023, , .		0
480	Real-Time People Counting System using YOLOv8 Object Detection. , 2023, , .		0
481	Automatic Tooth Enumeration on Panoramic Radiographs Using Deep Learning. , 2023, , .		0
482	Steel Surface Defect Detection Method Based on Improved YOLOv4-tiny. , 2023, , .		0
483	Cause Analysis of Substation Faults Based on Multimodal Fusion Detection and Knowledge Graph. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
488	A real-time load positioning and recognition system integrating image segmentation. , 2023, , .		0
489	Substation anomaly detection method based on attention mechanism and feature fusion. , 2024, , .		0
496	Deep Learning Based Vehicle Target Detection Algorithm Research. , 2023, , .		0
501	Custom YOLOV4 object detection model for COVID-19 diagnosis and cell counting. AIP Conference Proceedings, 2024, , .	0.3	0
502	A Fine-Tuned MobileNetv2 based Approach for Weed Classification. , 2023, , .		0
503	Collaborative Intelligent Industrial Robots (CIIR) Framework. , 2023, , .		0
504	Decision Tree-Based Electricity Optimization Using Intelligent Appliance Controller. Lecture Notes in Networks and Systems, 2024, , 351-364.	0.5	0
505	Review of Classification and Detection for Insects/Pests Using Machine Learning and Deep Learning Approach. Lecture Notes in Networks and Systems, 2024, , 167-182.	0.5	0
508	Research on License Plate Recognition and Ranging Estimation Algorithm Based on Improved-YOLOv5 Target Detection Technique. , 2023, , .		0
517	Double DQN Reinforcement Learning-Based Computational Offloading and Resource Allocation for MEC. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 240-253.	0.2	0
522	Genetic Programming withÂAggregate Channel Features forÂFlower Localization Using Limited Training Data. Lecture Notes in Computer Science, 2024, , 196-211.	1.0	0
528	Deep Neural Network Based Performance Evaluation and Comparative Analysis of Human Detection in Crowded Images Using YOLO Models. Lecture Notes in Networks and Systems, 2024, , 509-519.	0.5	0