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- Yeungnam University
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Publication Metrics

For manuscripts published from date range February 2021 - February 2026

14

H-index

470

Sum of Times Cited

63

Total Publications

61

Web of Science Core Collection Publications

2

Sum of Times Cited by Patents

For all time

14

H-index

496

Sum of Times Cited

73

Total Publications

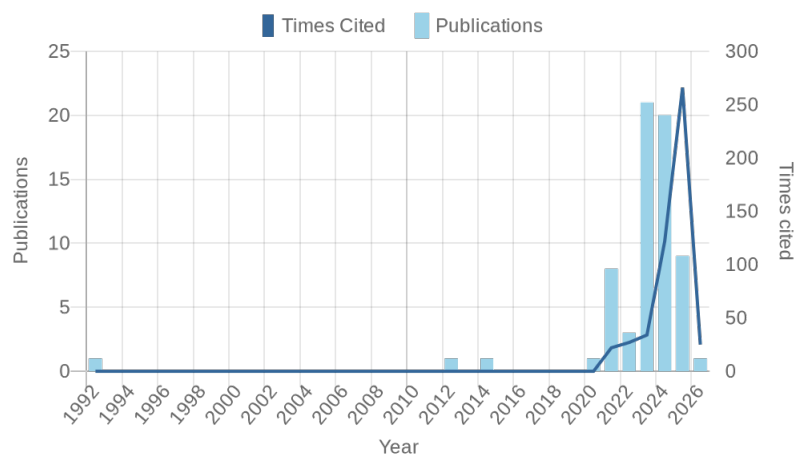
66

Web of Science Core Collection Publications

3

Sum of Times Cited by Patents

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range February 2021 - February 2026

(19) IEEE Access	(6) Sensors
(4) Diagnostics	(3) Plos One
(3) Scientific Reports	(3) Journal of Big Data
(2) Regional Studies in Marine Scien...	(2) Journal of the Korean Physical So...
(1) Remote Sensing	(1) Electronics
(1) Indonesian Journal of Electrical E...	(1) Applied Sciences
(1) Computers, Materials and Contin...	(1) Ecohydrology & Hydrobiology
(1) Mathematics	(1) Environmental Quality Managem...
(1) Journal of Imaging	(1) Bioengineering
(1) IEEE Journal of Selected Topics in...	(1) Environmental Earth Sciences
(1) Marine Environmental Research	(1) AIMS Mathematics
(1) BMC Medical Research Methodol...	(1) Computational Economics
(1) ICT Express	(1) Cancers
(1) BioData Mining	(1) Potato Research
(1) Surfaces and Interfaces	

Publications

For manuscripts published from date range February 2021 - February 2026
(57)

Times Cited
(All time)

Visible-light-induced photocatalytic degradation of industrial effluents using biosynthesized cadmium oxide nanoparticles: Synthesis, optimization modeling, and mechanism

0

CatBoost with physics-based metaheuristics for thyroid cancer recurrence prediction Published: Dec 2025 in BioData Mining DOI: 10.1186/S13040-025-00494-1	0
Accuracy, precision, recall, f1-score, or MCC? empirical evidence from advanced statistics, ML, and XAI for evaluating business predictive models Published: Dec 2025 in Journal of Big Data DOI: 10.1186/S40537-025-01313-4	1
Explainable Deep Ensemble Meta-Learning Framework for Brain Tumor Classification Using MRI Images Published: Aug 2025 in Cancers DOI: 10.3390/CANCERS17172853	2
Breast cancer prediction with feature-selected XGB classifier, optimized by metaheuristic algorithms Published: Apr 2025 in Journal of Big Data DOI: 10.1186/S40537-025-01132-7	3
Intelligent Decision Making for Commodities Price Prediction: Opportunities, Challenges and Future Avenues Published: 2025 in Computational Economics DOI: 10.1007/S10614-024-10837-5	2
Numerical modeling of gain-switched dysprosium-doped yellow fiber lasers (vol 86, pg 595, 2025) Published: 2025 in Journal of the Korean Physical Society DOI: 10.1007/S40042-025-01375-W	0
Leveraging Machine Learning to Predict Potato Shelf Life: A Comprehensive Analysis in an Evaporative Cooling Structure Published: 2025 in Potato Research DOI: 10.1007/S11540-025-09928-Z	1
Numerical modeling of gain-switched dysprosium-doped yellow fiber lasers Published: 2025 in Journal of the Korean Physical Society DOI: 10.1007/S40042-025-01303-Y	0
A graph mining-based approach to analyze the dynamics of the Twitter community of COVID-19 misinformation disseminators Published: Dec 2024 in ICT Express DOI: 10.1016/J.ICTE.2024.10.006	1
StackIL10: A stacking ensemble model for the improved prediction of IL-10 inducing peptides Published: Nov 2024 in Plos One DOI: 10.1371/JOURNAL.PONE.0313835	0

Cloud IaaS Optimization Using Machine Vision at the IoT Edge and the Grid Sensing Algorithm Published: Nov 2024 in Sensors DOI: 10.3390/S24216895	3
An analysis of decipherable red blood cell abnormality detection under federated environment leveraging XAI incorporated deep learning Published: Oct 2024 in Scientific Reports DOI: 10.1038/S41598-024-76359-0	2
Deep transfer learning-based bird species classification using mel spectrogram images Published: Aug 2024 in Plos One DOI: 10.1371/JOURNAL.PONE.0305708	0
DiabSense: early diagnosis of non-insulin-dependent diabetes mellitus using smartphone-based human activity recognition and diabetic retinopathy analysis with Graph Neural Network Published: Aug 2024 in Journal of Big Data DOI: 10.1186/S40537-024-00959-W	3
Feature group partitioning: an approach for depression severity prediction with class balancing using machine learning algorithms Published: Jun 2024 in BMC Medical Research Methodology DOI: 10.1186/S12874-024-02249-8	4
Enhancing Early Detection of Diabetic Retinopathy Through the Integration of Deep Learning Models and Explainable Artificial Intelligence Published: May 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3405570	14
Adaptive neighborhood rough set model for hybrid data processing: a case study on Parkinson's disease behavioral analysis Published: Apr 2024 in Scientific Reports DOI: 10.1038/S41598-024-57547-4	4
A real-time air-writing model to recognize Bengali characters Published: 2024 in AIMS Mathematics DOI: 10.3934/MATH.2024325	2
Medicinal Plant Classification Using Particle Swarm Optimized Cascaded Network Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3378262	16
Few-Shot Lightweight SqueezeNet Architecture for Induction Motor Fault Diagnosis Using Limited Thermal Image Dataset Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3385430	12
Deep Learning Approaches for Image Captioning: Opportunities, Challenges and Future Potential	

LCNN: Lightweight CNN Architecture for Software Defect Feature Identification Using Explainable AI Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3388489	6
A Review of Approaches for Rapid Data Clustering: Challenges, Opportunities, and Future Directions Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3461798	4
Hierarchical Attention Module-Based Hotspot Detection in Wafer Fabrication Using Convolutional Neural Network Model Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3422616	2
Incorporating Meteorological Data and Pesticide Information to Forecast Crop Yields Using Machine Learning Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3383309	18
Deep-Learning-Based Semantic Segmentation for Remote Sensing: A Bibliometric Literature Review Published: 2024 in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing DOI: 10.1109/JSTARS.2023.3328315	8
When to Use Standardization and Normalization: Empirical Evidence From Machine Learning Models and XAI Published: 2024 in IEEE Access DOI: 10.1109/ACCESS.2024.3462434	44
Exploring factors influencing the severity of pregnancy anemia in India: a study using proportional odds model Published: Dec 2023 in Scientific Reports DOI: 10.1038/S41598-023-49872-X	3
Internet of Things in Pregnancy Care Coordination and Management: A Systematic Review Published: Dec 2023 in Sensors DOI: 10.3390/S23239367	5
Enhancing Taxonomic Categorization of DNA Sequences with Deep Learning: A Multi-Label Approach Published: Nov 2023 in Bioengineering DOI: 10.3390/BIOENGINEERING10111293	5
A Survey on the Role of Industrial IoT in Manufacturing for Implementation of Smart Industry	25

Benign and Malignant Oral Lesion Image Classification Using Fine-Tuned Transfer Learning Techniques Published: Nov 2023 in Diagnostics DOI: 10.3390/DIAGNOSTICS13213360	14
Real-Time Obstacle Detection with YOLOv8 in a WSN Using UAV Aerial Photography Published: Oct 2023 in Journal of Imaging DOI: 10.3390/JIMAGING9100216	25
Adapted Deep Ensemble Learning-Based Voting Classifier for Osteosarcoma Cancer Classification Published: Oct 2023 in Diagnostics DOI: 10.3390/DIAGNOSTICS13193155	3
HGSOXGB: Hunger-Games-Search-Optimization-Based Framework to Predict the Need for ICU Admission for COVID-19 Patients Using eXtreme Gradient Boosting Published: Sep 2023 in Mathematics DOI: 10.3390/MATH11183960	0
Nerve Root Compression Analysis to Find Lumbar Spine Stenosis on MRI Using CNN Published: Sep 2023 in Diagnostics DOI: 10.3390/DIAGNOSTICS13182975	7
A Bibliometric Analysis on Arrhythmia Detection and Classification from 2005 to 2022 Published: May 2023 in Diagnostics DOI: 10.3390/DIAGNOSTICS13101732	10
Path loss measurement and modeling of 5G network in emergency indoor stairwell at 3.7 and 28 GHz Published: Mar 2023 in Plos One DOI: 10.1371/JOURNAL.PONE.0282781	4
DeepPoly: Deep Learning-Based Polyps Segmentation and Classification for Autonomous Colonoscopy Examination Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3310541	27
Analysis of Centimeter and Millimeter-Wave Path Loss at Emergency Exit Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3264648	2
Artificial Intelligence and Behavioral Economics: A Bibliographic Analysis of Research Field Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3339778	4

Multi-Step Preprocessing With UNet Segmentation and Transfer Learning Model for Pepper Bell Leaf Disease Detection Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3334428	13
Software Defects Identification: Results Using Machine Learning and Explainable Artificial Intelligence Techniques Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3329051	10
A Systematic Survey of AI Models in Financial Market Forecasting for Profitability Analysis Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2023.3330156	17
Wave Propagation Modeling Techniques in Tunnel Environments: A Survey Published: 2023 in IEEE Access DOI: 10.1109/ACCESS.2022.3233877	19
Path Loss Investigation in Hall Environment at Centimeter and Millimeter-Wave Bands Published: Sep 2022 in Sensors DOI: 10.3390/S22176593	4
Android Ransomware Detection From Traffic Analysis Using Metaheuristic Feature Selection Published: 2022 in IEEE Access DOI: 10.1109/ACCESS.2022.3227579	17
Analysis and Modeling of Propagation in Tunnel at 3.7 and 28 GHz Published: 2022 in Computers, Materials and Continua DOI: 10.32604/CMC.2022.023086	9
Results of Large-Scale Propagation Models in Campus Corridor at 3.7 and 28 GHz Published: Nov 2021 in Sensors DOI: 10.3390/S21227747	15
Scaling of Rain Attenuation Models: A Survey Published: Sep 2021 in Applied Sciences DOI: 10.3390/APP11188360	3
Rain Attenuation Scaling in South Korea: Experimental Results and Artificial Neural Network Published: Aug 2021 in Electronics DOI: 10.3390/ELECTRONICS10162030	2
An overview of rain attenuation research in Bangladesh Published: Aug 2021 in Indonesian Journal of Electrical Engineering and Computer Science DOI: 10.11591/IJEECS.V23.I2.PP902-909	

Not indexed in
the Web of
Science

<p>A Survey of Rain Fade Models for Earth-Space Telecommunication Links-Taxonomy, Methods, and Comparative Study</p> <p>Published: May 2021 in Remote Sensing</p> <p>DOI: 10.3390/RS13101965</p>	16
<p>Wireless Telecommunication Links for Rainfall Monitoring: Deep Learning Approach and Experimental Results</p> <p>Published: Apr 2021 in IEEE Access</p> <p>DOI: 10.1109/ACCESS.2021.3076781</p>	9
<p>A Survey of Rain Attenuation Prediction Models for Terrestrial Links-Current Research Challenges and State-of-the-Art</p> <p>Published: Feb 2021 in Sensors</p> <p>DOI: 10.3390/S21041207</p>	23
<p>Centimeter and Millimeter-Wave Propagation Characteristics for Indoor Corridors: Results From Measurements and Models</p> <p>Published: 2021 in IEEE Access</p> <p>DOI: 10.1109/ACCESS.2021.3130293</p>	5

Verified Reviews

Review Summary

