# Gyu Sang Choi

## List of Publications by Citations

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|---|---|---|---|
| **93** papers | **1,051** citations | **18** h-index | **29** g-index |
| **100** ext. papers | **1,849** ext. citations | **3.2** avg, IF | **5.4** L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 93 | . *IEEE Access*, **2020**, 8, 101489-101499 | 3.5 | 165 |
| 92 | A performance comparison of supervised machine learning models for Covid-19 tweets sentiment analysis. *PLoS ONE*, **2021**, 16, e0245909 | 3.7 | 71 |
| 91 | Tweets Classification on the Base of Sentiments for US Airline Companies. *Entropy*, **2019**, 21, 1078 | 2.8 | 50 |
| 90 | Toward modeling and optimization of features selection in Big Data based social Internet of Things. *Future Generation Computer Systems*, **2018**, 82, 715-726 | 7.5 | 48 |
| 89 | Fake News Stance Detection Using Deep Learning Architecture (CNN-LSTM). *IEEE Access*, **2020**, 8, 156695-156706 | 3.5 | 44 |
| 88 | Heartbeat Sound Signal Classification Using Deep Learning. *Sensors*, **2019**, 19, | 3.8 | 37 |
| 87 | Aggression detection through deep neural model on Twitter. *Future Generation Computer Systems*, **2021**, 114, 120-129 | 7.5 | 32 |
| 86 | Towards Trust and Friendliness Approaches in the Social Internet of Things. *Applied Sciences (Switzerland)*, **2019**, 9, 166 | 2.6 | 31 |
| 85 | A Novel Stacked CNN for Malarial Parasite Detection in Thin Blood Smear Images. *IEEE Access*, **2020**, 8, 93782-93792 | 3.5 | 29 |
| 84 | COVINet: a convolutional neural network approach for predicting COVID-19 from chest X-ray images. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 1-13 | 3.7 | 26 |
| 83 | Classification of Shopify App User Reviews Using Novel Multi Text Features. *IEEE Access*, **2020**, 8, 30234-30244 | 3.5 | 25 |
| 82 | An Efficient CNN Model for COVID-19 Disease Detection Based on X-Ray Image Classification. *Complexity*, **2021**, 2021, 1-12 | 1.6 | 25 |
| 81 | An Advanced Algorithm for Higher Network Navigation in Social Internet of Things Using Small-World Networks. *Sensors*, **2019**, 19, | 3.8 | 23 |
| 80 | Impact of SMOTE on Imbalanced Text Features for Toxic Comments Classification Using RVVC Model. *IEEE Access*, **2021**, 1-1 | 3.5 | 23 |
| 79 | Scene Classification for Sports Video Summarization Using Transfer Learning. *Sensors*, **2020**, 20, | 3.8 | 22 |
| 78 | GBSVM: Sentiment Classification from Unstructured Reviews Using Ensemble Classifier. *Applied Sciences (Switzerland)*, **2020**, 10, 2788 | 2.6 | 19 |
| 77 | Multilevel Data Processing Using Parallel Algorithms for Analyzing Big Data in High-Performance Computing. *International Journal of Parallel Programming*, **2018**, 46, 508-527 | 1.5 | 18 |

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| 76 | Recognition of Urdu Handwritten Characters Using Convolutional Neural Network. *Applied Sciences (Switzerland)*, **2019**, 9, 2758 | 2.6 | 18 |
| 75 | Hotspots Analysis Using Cyber-Physical-Social System for a Smart City. *IEEE Access*, **2020**, 8, 122197-122209 | 3.5 | 16 |
| 74 | Sensor-Based Human Activity Recognition Using Deep Stacked Multilayered Perceptron Model. *IEEE Access*, **2020**, 8, 218898-218910 | 3.5 | 14 |
| 73 | LDA topics: Representation and evaluation. *Journal of Information Science*, **2015**, 41, 662-675 | 2 | 13 |
| 72 | Duplicate Questions Pair Detection Using Siamese MaLSTM. *IEEE Access*, **2020**, 8, 21932-21942 | 3.5 | 13 |
| 71 | IoT-Based Smart Shopping Cart Using Radio Frequency Identification. *IEEE Access*, **2020**, 8, 68426-68438 | 3.5 | 13 |
| 70 | Detecting sarcasm in multi-domain datasets using convolutional neural networks and long short term memory network model. *PeerJ Computer Science*, **2021**, 7, e645 | 2.7 | 13 |
| 69 | Proving ground for social network analysis in the emerging research area Internet of Things (IoT). *Scientometrics*, **2016**, 109, 185-201 | 3 | 12 |
| 68 | Minimizing the Overlapping Degree to Improve Class-Imbalanced Learning Under Sparse Feature Selection: Application to Fraud Detection. *IEEE Access*, **2021**, 9, 28101-28110 | 3.5 | 12 |
| 67 | Global mapping of artificial intelligence in Google and Google Scholar. *Scientometrics*, **2017**, 113, 1269-1305 | 3 | 11 |
| 66 | Soccer Video Summarization Using Deep Learning **2019**, | | 11 |
| 65 | Automated Essay Scoring: A Siamese Bidirectional LSTM Neural Network Architecture. *Symmetry*, **2018**, 10, 682 | 2.7 | 11 |
| 64 | . *IEEE Access*, **2020**, 8, 187671-187686 | 3.5 | 10 |
| 63 | Predicting numeric ratings for Google apps using text features and ensemble learning. *ETRI Journal* , **2021**, 43, 95-108 | 1.4 | 10 |
| 62 | Wireless Capsule Endoscopy Bleeding Images Classification Using CNN Based Model. *IEEE Access*, **2021**, 9, 33675-33688 | 3.5 | 10 |
| 61 | Spam comments prediction using stacking with ensemble learning. *Journal of Physics: Conference Series*, **2018**, 933, 012012 | 0.3 | 9 |
| 60 | An Empirical Approach for Extreme Behavior Identification through Tweets Using Machine Learning. *Applied Sciences (Switzerland)*, **2019**, 9, 3723 | 2.6 | 8 |
| 59 | Review prognosis system to predict employees job satisfaction using deep neural network. *Computational Intelligence*, **2021**, 37, 924-950 | 2.5 | 8 |

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| 58 | Prognosis Essay Scoring and Article Relevancy Using Multi-Text Features and Machine Learning. *Symmetry*, **2017**, 9, 11 | 2.7 | 7 |
| 57 | Study of the performance impact of a cache buffer in solid-state disks. *Microprocessors and Microsystems*, **2011**, 35, 359-369 | 2.4 | 7 |
| 56 | Detecting fraudulent labeling of rice samples using computer vision and fuzzy knowledge. *Multimedia Tools and Applications*, **2017**, 76, 24675-24704 | 2.5 | 6 |
| 55 | Artificial Intelligence based Camera Calibration **2019**, | | 6 |
| 54 | PTL: PRAM translation layer. *Microprocessors and Microsystems*, **2013**, 37, 24-32 | 2.4 | 6 |
| 53 | Sentiment analysis of tweets using a unified convolutional neural network-long short-term memory network model. *Computational Intelligence*, **2021**, 37, 409-434 | 2.5 | 6 |
| 52 | Extensive hotel reviews classification using long short term memory. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 12, 9375 | 3.7 | 5 |
| 51 | An SSL Back-End Forwarding Scheme in Cluster-Based Web Servers. *IEEE Transactions on Parallel and Distributed Systems*, **2007**, 18, 946-957 | 3.7 | 5 |
| 50 | Home automation using general purpose household electric appliances with Raspberry Pi and commercial smartphone. *PLoS ONE*, **2020**, 15, e0238480 | 3.7 | 5 |
| 49 | Classification of Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier. *IEEE Access*, **2021**, 9, 45528-45538 | 3.5 | 5 |
| 48 | Determining the Efficiency of Drugs Under Special Conditions From Users Reviews on Healthcare Web Forums. *IEEE Access*, **2021**, 9, 85721-85737 | 3.5 | 5 |
| 47 | OpinionML Opinion Markup Language for Sentiment Representation. *Symmetry*, **2019**, 11, 545 | 2.7 | 4 |
| 46 | A hybrid SSD with PRAM and NAND Flash memory. *Microprocessors and Microsystems*, **2012**, 36, 257-266 | 2.4 | 4 |
| 45 | Employees reviews classification and evaluation (ERCE) model using supervised machine learning approaches. *Journal of Ambient Intelligence and Humanized Computing*,1 | 3.7 | 4 |
| 44 | Diagnosis of vertebral column pathologies using concatenated resampling with machine learning algorithms. *PeerJ Computer Science*, **2021**, 7, e547 | 2.7 | 4 |
| 43 | A text GAN framework for creative essay recommendation. *Knowledge-Based Systems*, **2021**, 232, 107501 | 7.3 | 4 |
| 42 | PB+-Tree: PCM-Aware B+-Tree. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 2466-2479 | 4.2 | 3 |
| 41 | Controversy detection in Wikipedia using semantic dissimilarity. *Information Sciences*, **2017**, 418-419, 581-600 | 7.7 | 3 |

| 40 | Optimal Scheduler with Simplified Queue Structure for Multi-Channel Wireless Networks. *IEEE Communications Letters*, **2011**, 15, 962-964 | 3.8 | 3 |
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| 39 | Coscheduled distributed-Web servers on system area network. *Journal of Parallel and Distributed Computing*, **2008**, 68, 1033-1043 | 4.4 | 3 |
| 38 | Deep Learning Analysis to Automatically Detect the Presence of Penetration or Aspiration in Videofluoroscopic Swallowing Study.. *Journal of Korean Medical Science*, **2022**, 37, e42 | 4.7 | 3 |
| 37 | RUTUT: Roman Urdu to Urdu Translator Based on Character Substitution Rules and Unicode Mapping. *IEEE Access*, **2020**, 8, 189823-189841 | 3.5 | 3 |
| 36 | Defining Service-Oriented Trust Assessment for Social Internet of Things. *IEEE Access*, **2020**, 8, 206459-206473 | 3.5 | 3 |
| 35 | Additive Angular Margin Loss in Deep Graph Neural Network Classifier for Learning Graph Edit Distance. *IEEE Access*, **2020**, 8, 201752-201761 | 3.5 | 3 |
| 34 | Prediction of ambulatory outcome in patients with corona radiata infarction using deep learning. *Scientific Reports*, **2021**, 11, 7989 | 4.9 | 3 |
| 33 | Advanced Service Search Model for Higher Network Navigation Using Small World Networks. *IEEE Access*, **2021**, 9, 70584-70595 | 3.5 | 3 |
| 32 | Drone Helps Privacy: Sky Caching Assisted $k$-Anonymity in Spatial Querying. *IEEE Systems Journal*, **2022**, 1-11 | 4.3 | 3 |
| 31 | Deep Image Sensing and Retrieval Using Suppression, Scale Spacing and Division, Interpolation and Spatial Color Coordinates With Bag of Words for Large and Complex Datasets. *IEEE Access*, **2020**, 8, 90351-90379 | 3.5 | 3 |
| 30 | Discriminative and deterministic approaches towards entity resolution. *Journal of Intelligent Information Systems*, **2014**, 43, 101-127 | 2.1 | 2 |
| 29 | Evaluating Retrieval Effectiveness by Sustainable Rank List. *Sustainability*, **2017**, 9, 1203 | 3.6 | 2 |
| 28 | A case study for understanding the nature of redundant entities in bibliographic digital libraries. *Data Technologies and Applications*, **2014**, 48, 246-271 | | 2 |
| 27 | A Superscalar software architecture model for Multi-Core Processors (MCPs). *Journal of Systems and Software*, **2010**, 83, 1823-1837 | 3.3 | 2 |
| 26 | DarkSky: Privacy-preserving target tracking strategies using a flying drone. *Vehicular Communications*, **2022**, 35, 100459 | 5.7 | 2 |
| 25 | US Based COVID-19 Tweets Sentiment Analysis Using TextBlob and Supervised Machine Learning Algorithms **2021**, | | 2 |
| 24 | Optimizing Spatiotemporal Feature Learning in 3D Convolutional Neural Networks With Pooling Blocks. *IEEE Access*, **2021**, 9, 70797-70805 | 3.5 | 2 |
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| 22 | Automated disease diagnosis and precaution recommender system using supervised machine learning. *Multimedia Tools and Applications*,1 | 2.5 | 2 |
| 21 | Corroborating social media echelon in cancer research. *Quality and Quantity*, **2018**, 52, 801-813 | 2.4 | 1 |
| 20 | Community Detection Based on Social Influence in Large Scale Networks. *Advances in Intelligent Systems and Computing*, **2020**, 122-137 | 0.4 | 1 |
| 19 | License plate identification and recognition in a non-standard environment using neural pattern matching. *Complex & Intelligent Systems*,1 | 7.1 | 1 |
| 18 | Hybrid Auto-Scaled Service-Cloud-Based Predictive Workload Modeling and Analysis for Smart Campus System. *IEEE Access*, **2021**, 9, 42081-42089 | 3.5 | 1 |
| 17 | Video Description: Datasets & Evaluation Metrics. *IEEE Access*, **2021**, 9, 121665-121685 | 3.5 | 1 |
| 16 | Symmetric Image Contents Analysis and Retrieval Using Decimation, Pattern Analysis, Orientation, and Features Fusion. *IEEE Access*, **2021**, 1-1 | 3.5 | 1 |
| 15 | Adaptable Reduced-Complexity Approach Based on State Vector Machine for Identification of Criminal Activists on Social Media. *IEEE Access*, **2021**, 9, 95456-95468 | 3.5 | 1 |
| 14 | An Efficient Classification of MRI Brain Images. *IEEE Access*, **2021**, 9, 33313-33322 | 3.5 | 1 |
| 13 | . *IEEE Access*, **2021**, 9, 41934-41957 | 3.5 | 1 |
| 12 | DSFA-PINN: Deep Spectral Feature Aggregation Physics Informed Neural Network. *IEEE Access*, **2022**, 10, 22247-22259 | 3.5 | 1 |
| 11 | PlantMWpIDB: a database for the molecular weight and isoelectric points of the plant proteomes.. *Scientific Reports*, **2022**, 12, 7421 | 4.9 | 1 |
| 10 | SSNO: Spatio-spectral Neural Operator for Functional Space Learning of Partial Differential Equations.. *IEEE Access*, **2022**, 10, 15084-15095 | 3.5 | 0 |
| 9 | Resolving Energy Consumption Issues and Spectrum Allocation for Future Broadband Networks. *IEEE Access*, **2021**, 9, 166071-166080 | 3.5 | 0 |
| 8 | MSEF-ImgSeg: An Intelligent Algorithm for Multi Scale Exposure Fusion Using Image Segmentation and GGIF. *IEEE Access*, **2020**, 8, 166060-166070 | 3.5 | 0 |
| 7 | Automated segmentation of chronic stroke lesion using efficient U-Net architecture. *Biocybernetics and Biomedical Engineering*, **2022**, 42, 285-294 | 5.7 | 0 |
| 6 | Classification of movie reviews using term frequency-inverse document frequency and optimized machine learning algorithms.. *PeerJ Computer Science*, **2022**, 8, e914 | 2.7 | 0 |
| 5 | Space-Time Warp Curve for Synthesizing Multi-character Motions. *ETRI Journal*, **2017**, 39, 493-501 | 1.4 | |

# LIST OF PUBLICATIONS

| 4 | A comprehensive performance and energy consumption analysis of scheduling alternatives in clusters. *Journal of Supercomputing*, **2007**, 40, 159-184 | 2.5 |
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| 3 | Efficient Sentiment-Aware Web Crawling Methods for Constructing Sentiment Dictionary. *IEEE Access*, **2021**, 9, 161208-161223 | 3.5 |
| 2 | A Comparative Study of PRAM-based Join Algorithms. *Journal of KIISE*, **2015**, 42, 379-389 | 1 |
| 1 | Correction to Classification of Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier *IEEE Access*, **2021**, 9, 55311-55311 | 3.5 |