

Gyu Sang Choi

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

2,666
citations

201674

27
h-index

214800

47
g-index

100
all docs

100
docs citations

100
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Future Forecasting Using Supervised Machine Learning Models. IEEE Access, 2020, 8, 101489-101499.	4.2	350
2	A performance comparison of supervised machine learning models for Covid-19 tweets sentiment analysis. PLoS ONE, 2021, 16, e0245909.	2.5	188
3	Fake News Stance Detection Using Deep Learning Architecture (CNN-LSTM). IEEE Access, 2020, 8, 156695-156706.	4.2	142
4	Tweets Classification on the Base of Sentiments for US Airline Companies. Entropy, 2019, 21, 1078.	2.2	117
5	Heartbeat Sound Signal Classification Using Deep Learning. Sensors, 2019, 19, 4819.	3.8	88
6	An Efficient CNN Model for COVID-19 Disease Detection Based on X-Ray Image Classification. Complexity, 2021, 2021, 1-12.	1.6	88
7	Impact of SMOTE on Imbalanced Text Features for Toxic Comments Classification Using RVVC Model. IEEE Access, 2021, 9, 78621-78634.	4.2	88
8	Aggression detection through deep neural model on Twitter. Future Generation Computer Systems, 2021, 114, 120-129.	7.5	69
9	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	68
10	COVINet: a convolutional neural network approach for predicting COVID-19 from chest X-ray images. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 535-547.	4.9	67
11	A Novel Stacked CNN for Malarial Parasite Detection in Thin Blood Smear Images. IEEE Access, 2020, 8, 93782-93792.	4.2	59
12	Towards Trust and Friendliness Approaches in the Social Internet of Things. Applied Sciences (Switzerland), 2019, 9, 166.	2.5	56
13	Scene Classification for Sports Video Summarization Using Transfer Learning. Sensors, 2020, 20, 1702.	3.8	56
14	Wireless Capsule Endoscopy Bleeding Images Classification Using CNN Based Model. IEEE Access, 2021, 9, 33675-33688.	4.2	55
15	Classification of Shopify App User Reviews Using Novel Multi Text Features. IEEE Access, 2020, 8, 30234-30244.	4.2	47
16	Minimizing the Overlapping Degree to Improve Class-Imbalanced Learning Under Sparse Feature Selection: Application to Fraud Detection. IEEE Access, 2021, 9, 28101-28110.	4.2	43
17	GBSVM: Sentiment Classification from Unstructured Reviews Using Ensemble Classifier. Applied Sciences (Switzerland), 2020, 10, 2788.	2.5	42
18	Sensor-Based Human Activity Recognition Using Deep Stacked Multilayered Perceptron Model. IEEE Access, 2020, 8, 218898-218910.	4.2	41

#	ARTICLE	IF	CITATIONS
19	An Advanced Algorithm for Higher Network Navigation in Social Internet of Things Using Small-World Networks. <i>Sensors</i> , 2019, 19, 2007.	3.8	39
20	Duplicate Questions Pair Detection Using Siamese MaLSTM. <i>IEEE Access</i> , 2020, 8, 21932-21942.	4.2	38
21	IoT-Based Smart Shopping Cart Using Radio Frequency Identification. <i>IEEE Access</i> , 2020, 8, 68426-68438.	4.2	38
22	Soccer Video Summarization Using Deep Learning. , 2019, , .		37
23	Sentiment analysis of tweets using a unified convolutional neural networkâ€long shortâ€term memory network model. <i>Computational Intelligence</i> , 2021, 37, 409-434.	3.2	36
24	Recognition of Urdu Handwritten Characters Using Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2758.	2.5	34
25	Multilevel Data Processing Using Parallel Algorithms for Analyzing Big Data in High-Performance Computing. <i>International Journal of Parallel Programming</i> , 2018, 46, 508-527.	1.5	32
26	Detecting sarcasm in multi-domain datasets using convolutional neural networks and long short term memory network model. <i>PeerJ Computer Science</i> , 2021, 7, e645.	4.5	32
27	A text GAN framework for creative essay recommendation. <i>Knowledge-Based Systems</i> , 2021, 232, 107501.	7.1	30
28	Hotspots Analysis Using Cyber-Physical-Social System for a Smart City. <i>IEEE Access</i> , 2020, 8, 122197-122209.	4.2	29
29	Determining the Efficiency of Drugs Under Special Conditions From Usersâ€™ Reviews on Healthcare Web Forums. <i>IEEE Access</i> , 2021, 9, 85721-85737.	4.2	29
30	Predicting numeric ratings for Google apps using text features and ensemble learning. <i>ETRI Journal</i> , 2021, 43, 95-108.	2.0	24
31	LDA topics: Representation and evaluation. <i>Journal of Information Science</i> , 2015, 41, 662-675.	3.3	23
32	Automated Essay Scoring: A Siamese Bidirectional LSTM Neural Network Architecture. <i>Symmetry</i> , 2018, 10, 682.	2.2	23
33	An Empirical Approach for Extreme Behavior Identification through Tweets Using Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3723.	2.5	20
34	US Based COVID-19 Tweets Sentiment Analysis Using TextBlob and Supervised Machine Learning Algorithms. , 2021, , .		20
35	Extensive hotel reviews classification using long short term memory. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9375-9385.	4.9	19
36	Beaconless Traffic-Aware Geographical Routing Protocol for Intelligent Transportation System. <i>IEEE Access</i> , 2020, 8, 187671-187686.	4.2	18

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37	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.	4.2	18
38	An Efficient Classification of MRI Brain Images. IEEE Access, 2021, 9, 33313-33322.	4.2	18
39	Maximum Response Deep Learning Using Markov, Retinal & Primitive Patch Binding With GoogLeNet & VGG-19 for Large Image Retrieval. IEEE Access, 2021, 9, 41934-41957.	4.2	18
40	Deep Learning Analysis to Automatically Detect the Presence of Penetration or Aspiration in Videofluoroscopic Swallowing Study. Journal of Korean Medical Science, 2022, 37, e42.	2.5	18
41	Classification of movie reviews using term frequency-inverse document frequency and optimized machine learning algorithms. PeerJ Computer Science, 2022, 8, e914.	4.5	17
42	A novel improved random forest for text classification using feature ranking and optimal number of trees. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 2733-2742.	3.9	17
43	Proving ground for social network analysis in the emerging research area "Internet of Things"(IoT). Scientometrics, 2016, 109, 185-201.	3.0	16
44	Spam comments prediction using stacking with ensemble learning. Journal of Physics: Conference Series, 2018, 933, 012012.	0.4	15
45	Prediction of ambulatory outcome in patients with corona radiata infarction using deep learning. Scientific Reports, 2021, 11, 7989.	3.3	15
46	Global mapping of artificial intelligence in Google and Google Scholar. Scientometrics, 2017, 113, 1269-1305.	3.0	14
47	Artificial Intelligence based Camera Calibration. , 2019, , .		13
48	Classification of α -Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier. IEEE Access, 2021, 9, 45528-45538.	4.2	13
49	Detecting fraudulent labeling of rice samples using computer vision and fuzzy knowledge. Multimedia Tools and Applications, 2017, 76, 24675-24704.	3.9	12
50	Prognosis Essay Scoring and Article Relevancy Using Multi-Text Features and Machine Learning. Symmetry, 2017, 9, 11.	2.2	12
51	Home automation using general purpose household electric appliances with Raspberry Pi and commercial smartphone. PLoS ONE, 2020, 15, e0238480.	2.5	12
52	Defining Service-Oriented Trust Assessment for Social Internet of Things. IEEE Access, 2020, 8, 206459-206473.	4.2	12
53	Review prognosis system to predict employees job satisfaction using deep neural network. Computational Intelligence, 2021, 37, 924-950.	3.2	12
54	An SSL Back-End Forwarding Scheme in Cluster-Based Web Servers. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 946-957.	5.6	11

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55	License plate identification and recognition in a non-standard environment using neural pattern matching. <i>Complex & Intelligent Systems</i> , 2022, 8, 3627-3639.	6.5	11
56	Study of the performance impact of a cache buffer in solid-state disks. <i>Microprocessors and Microsystems</i> , 2011, 35, 359-369.	2.8	10
57	Hybrid Auto-Scaled Service-Cloud-Based Predictive Workload Modeling and Analysis for Smart Campus System. <i>IEEE Access</i> , 2021, 9, 42081-42089.	4.2	10
58	Employees reviews classification and evaluation (ERCE) model using supervised machine learning approaches. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 3119-3136.	4.9	10
59	Diagnosis of vertebral column pathologies using concatenated resampling with machine learning algorithms. <i>PeerJ Computer Science</i> , 2021, 7, e547.	4.5	10
60	Automated segmentation of chronic stroke lesion using efficient U-Net architecture. <i>Biocybernetics and Biomedical Engineering</i> , 2022, 42, 285-294.	5.9	10
61	Automated disease diagnosis and precaution recommender system using supervised machine learning. <i>Multimedia Tools and Applications</i> , 2022, 81, 31929-31952.	3.9	10
62	Video Description: Datasets & Evaluation Metrics. <i>IEEE Access</i> , 2021, 9, 121665-121685.	4.2	9
63	DarkSky: Privacy-preserving target tracking strategies using a flying drone. <i>Vehicular Communications</i> , 2022, 35, 100459.	4.0	9
64	PTL: PRAM translation layer. <i>Microprocessors and Microsystems</i> , 2013, 37, 24-32.	2.8	7
65	Additive Angular Margin Loss in Deep Graph Neural Network Classifier for Learning Graph Edit Distance. <i>IEEE Access</i> , 2020, 8, 201752-201761.	4.2	7
66	Symmetric Image Contents Analysis and Retrieval using Decimation, Pattern Analysis, Orientation, and Features Fusion. <i>IEEE Access</i> , 2021, , 1-1.	4.2	7
67	Advanced Service Search Model for Higher Network Navigation Using Small World Networks. <i>IEEE Access</i> , 2021, 9, 70584-70595.	4.2	7
68	Optimizing Spatiotemporal Feature Learning in 3D Convolutional Neural Networks With Pooling Blocks. <i>IEEE Access</i> , 2021, 9, 70797-70805.	4.2	7
69	QSOD: Hybrid Policy Gradient for Deep Multi-agent Reinforcement Learning. <i>IEEE Access</i> , 2021, 9, 129728-129741.	4.2	7
70	Prediction of Motor Outcome of Stroke Patients Using a Deep Learning Algorithm with Brain MRI as Input Data. <i>European Neurology</i> , 2022, 85, 460-466.	1.4	7
71	OpinionML – Opinion Markup Language for Sentiment Representation. <i>Symmetry</i> , 2019, 11, 545.	2.2	6
72	RUTUT: Roman Urdu to Urdu Translator Based on Character Substitution Rules and Unicode Mapping. <i>IEEE Access</i> , 2020, 8, 189823-189841.	4.2	6

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73	Drone Helps Privacy: Sky Caching Assisted \mathbb{K} -Anonymity in Spatial Querying. IEEE Systems Journal, 2022, 16, 6360-6370.	4.6	6
74	Optimal Scheduler with Simplified Queue Structure for Multi-Channel Wireless Networks. IEEE Communications Letters, 2011, 15, 962-964.	4.1	5
75	A hybrid SSD with PRAM and NAND Flash memory. Microprocessors and Microsystems, 2012, 36, 257-266.	2.8	5
76	Controversy detection in Wikipedia using semantic dissimilarity. Information Sciences, 2017, 418-419, 581-600.	6.9	5
77	SSNO: Spatio-Spectral Neural Operator for Functional Space Learning of Partial Differential Equations. IEEE Access, 2022, 10, 15084-15095.	4.2	5
78	DSFA-PINN: Deep Spectral Feature Aggregation Physics Informed Neural Network. IEEE Access, 2022, 10, 22247-22259.	4.2	5
79	Coscheduled distributed-Web servers on system area network. Journal of Parallel and Distributed Computing, 2008, 68, 1033-1043.	4.1	4
80	A case study for understanding the nature of redundant entities in bibliographic digital libraries. Data Technologies and Applications, 2014, 48, 246-271.	0.8	3
81	Discriminative and deterministic approaches towards entity resolution. Journal of Intelligent Information Systems, 2014, 43, 101-127.	3.9	3
82	PB&sup><bold>+</bold></sup>-Tree: PCM-Aware B&sup><bold>+</bold></sup>-Tree. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2466-2479.	5.7	3
83	Adaptable Reduced-Complexity Approach Based on State Vector Machine for Identification of Criminal Activists on Social Media. IEEE Access, 2021, 9, 95456-95468.	4.2	3
84	Resolving Energy Consumption Issues and Spectrum Allocation for Future Broadband Networks. IEEE Access, 2021, 9, 166071-166080.	4.2	3
85	A Superscalar software architecture model for Multi-Core Processors (MCPs). Journal of Systems and Software, 2010, 83, 1823-1837.	4.5	2
86	Evaluating Retrieval Effectiveness by Sustainable Rank List. Sustainability, 2017, 9, 1203.	3.2	2
87	Corroborating social media echelon in cancer research. Quality and Quantity, 2018, 52, 801-813.	3.7	2
88	Efficient Sentiment-Aware Web Crawling Methods for Constructing Sentiment Dictionary. IEEE Access, 2021, 9, 161208-161223.	4.2	2
89	Intelligent autonomous underwater vehicle mobility with energy efficient routing in sensor networks. Environment, Development and Sustainability, 0, , .	5.0	2
90	PlantMWpIDB: a database for the molecular weight and isoelectric points of the plant proteomes. Scientific Reports, 2022, 12, 7421.	3.3	2

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91	Novel extreme regression-voting classifier to predict death risk in vaccinated people using VAERS data. PLoS ONE, 2022, 17, e0270327.	2.5	2
92	MSEF-ImgSeg: An Intelligent Algorithm for Multi Scale Exposure Fusion Using Image Segmentation and GGIF. IEEE Access, 2020, 8, 166060-166070.	4.2	1
93	Community Detection Based on Social Influence in Large Scale Networks. Advances in Intelligent Systems and Computing, 2020, , 122-137.	0.6	1
94	Prediction of Process Parameters for the Integrated Biomass Gasification Power Plant Using Artificial Neural Network. Frontiers in Energy Research, 0, 10, .	2.3	1
95	A comprehensive performance and energy consumption analysis of scheduling alternatives in clusters. Journal of Supercomputing, 2007, 40, 159-184.	3.6	0
96	Space-Time Warp Curve for Synthesizing Multi-character Motions. ETRI Journal, 2017, 39, 493-501.	2.0	0
97	Correction to "Classification of \hat{I}^2 -Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier". IEEE Access, 2021, 9, 55311-55311.	4.2	0
98	A Comparative Study of PRAM-based Join Algorithms. Journal of KIISE, 2015, 42, 379-389.	0.1	0