

Gyu Sang Choi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	SSNO: Spatio-spectral Neural Operator for Functional Space Learning of Partial Differential Equations.. <i>IEEE Access</i> , 2022 , 10, 15084-15095	3.5	0
92	Deep Learning Analysis to Automatically Detect the Presence of Penetration or Aspiration in Videofluoroscopic Swallowing Study.. <i>Journal of Korean Medical Science</i> , 2022 , 37, e42	4.7	3
91	DarkSky: Privacy-preserving target tracking strategies using a flying drone. <i>Vehicular Communications</i> , 2022 , 35, 100459	5.7	2
90	DSFA-PINN: Deep Spectral Feature Aggregation Physics Informed Neural Network. <i>IEEE Access</i> , 2022 , 10, 22247-22259	3.5	1
89	Automated segmentation of chronic stroke lesion using efficient U-Net architecture. <i>Biocybernetics and Biomedical Engineering</i> , 2022 , 42, 285-294	5.7	0
88	Classification of movie reviews using term frequency-inverse document frequency and optimized machine learning algorithms.. <i>PeerJ Computer Science</i> , 2022 , 8, e914	2.7	0
87	PlantMWpIDB: a database for the molecular weight and isoelectric points of the plant proteomes.. <i>Scientific Reports</i> , 2022 , 12, 7421	4.9	1
86	Drone Helps Privacy: Sky Caching Assisted \$k\$-Anonymity in Spatial Querying. <i>IEEE Systems Journal</i> , 2022 , 1-11	4.3	3
85	Resolving Energy Consumption Issues and Spectrum Allocation for Future Broadband Networks. <i>IEEE Access</i> , 2021 , 9, 166071-166080	3.5	0
84	Efficient Sentiment-Aware Web Crawling Methods for Constructing Sentiment Dictionary. <i>IEEE Access</i> , 2021 , 9, 161208-161223	3.5	
83	Review prognosis system to predict employees job satisfaction using deep neural network. <i>Computational Intelligence</i> , 2021 , 37, 924-950	2.5	8
82	Prediction of ambulatory outcome in patients with corona radiata infarction using deep learning. <i>Scientific Reports</i> , 2021 , 11, 7989	4.9	3
81	US Based COVID-19 Tweets Sentiment Analysis Using TextBlob and Supervised Machine Learning Algorithms 2021 ,		2
80	An Efficient CNN Model for COVID-19 Disease Detection Based on X-Ray Image Classification. <i>Complexity</i> , 2021 , 2021, 1-12	1.6	25
79	Diagnosis of vertebral column pathologies using concatenated resampling with machine learning algorithms. <i>PeerJ Computer Science</i> , 2021 , 7, e547	2.7	4
78	Aggression detection through deep neural model on Twitter. <i>Future Generation Computer Systems</i> , 2021 , 114, 120-129	7.5	32
77	Predicting numeric ratings for Google apps using text features and ensemble learning. <i>ETRI Journal</i> , 2021 , 43, 95-108	1.4	10

76	Sentiment analysis of tweets using a unified convolutional neural network-long short-term memory network model. <i>Computational Intelligence</i> , 2021 , 37, 409-434	2.5	6
75	Correction to "Classification of β -Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier" <i>IEEE Access</i> , 2021 , 9, 55311-55311	3.5	
74	Classification of β -Thalassemia Carriers From Red Blood Cell Indices Using Ensemble Classifier. <i>IEEE Access</i> , 2021 , 9, 45528-45538	3.5	5
73	Hybrid Auto-Scaled Service-Cloud-Based Predictive Workload Modeling and Analysis for Smart Campus System. <i>IEEE Access</i> , 2021 , 9, 42081-42089	3.5	1
72	Video Description: Datasets & Evaluation Metrics. <i>IEEE Access</i> , 2021 , 9, 121665-121685	3.5	1
71	Symmetric Image Contents Analysis and Retrieval Using Decimation, Pattern Analysis, Orientation, and Features Fusion. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
70	Adaptable Reduced-Complexity Approach Based on State Vector Machine for Identification of Criminal Activists on Social Media. <i>IEEE Access</i> , 2021 , 9, 95456-95468	3.5	1
69	Advanced Service Search Model for Higher Network Navigation Using Small World Networks. <i>IEEE Access</i> , 2021 , 9, 70584-70595	3.5	3
68	Wireless Capsule Endoscopy Bleeding Images Classification Using CNN Based Model. <i>IEEE Access</i> , 2021 , 9, 33675-33688	3.5	10
67	Optimizing Spatiotemporal Feature Learning in 3D Convolutional Neural Networks With Pooling Blocks. <i>IEEE Access</i> , 2021 , 9, 70797-70805	3.5	2
66	COVINet: a convolutional neural network approach for predicting COVID-19 from chest X-ray images. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 1-13	3.7	26
65	A performance comparison of supervised machine learning models for Covid-19 tweets sentiment analysis. <i>PLoS ONE</i> , 2021 , 16, e0245909	3.7	71
64	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	2.7	13
63	A text GAN framework for creative essay recommendation. <i>Knowledge-Based Systems</i> , 2021 , 232, 107501-107513	4.3	4
62	Impact of SMOTE on Imbalanced Text Features for Toxic Comments Classification Using RVVC Model. <i>IEEE Access</i> , 2021 , 1-1	3.5	23
61	Minimizing the Overlapping Degree to Improve Class-Imbalanced Learning Under Sparse Feature Selection: Application to Fraud Detection. <i>IEEE Access</i> , 2021 , 9, 28101-28110	3.5	12
60	An Efficient Classification of MRI Brain Images. <i>IEEE Access</i> , 2021 , 9, 33313-33322	3.5	1
59	. <i>IEEE Access</i> , 2021 , 9, 41934-41957	3.5	1

58	Determining the Efficiency of Drugs Under Special Conditions From Users' Reviews on Healthcare Web Forums. <i>IEEE Access</i> , 2021 , 9, 85721-85737	3.5	5
57	QSOD: Hybrid Policy Gradient for Deep Multi-agent Reinforcement Learning. <i>IEEE Access</i> , 2021 , 9, 129723-129741	3.5	1
56	Extensive hotel reviews classification using long short term memory. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 12, 9375	3.7	5
55	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. <i>IEEE Access</i> , 2020 , 8, 90351-90379	3.5	9
54	A Novel Stacked CNN for Malarial Parasite Detection in Thin Blood Smear Images. <i>IEEE Access</i> , 2020 , 8, 93782-93792	3.5	29
53	Scene Classification for Sports Video Summarization Using Transfer Learning. <i>Sensors</i> , 2020 , 20,	3.8	22
52	Classification of Shopify App User Reviews Using Novel Multi Text Features. <i>IEEE Access</i> , 2020 , 8, 30234-30244	3.5	25
51	Duplicate Questions Pair Detection Using Siamese MaLSTM. <i>IEEE Access</i> , 2020 , 8, 21932-21942	3.5	13
50	GBSVM: Sentiment Classification from Unstructured Reviews Using Ensemble Classifier. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2788	2.6	19
49	IoT-Based Smart Shopping Cart Using Radio Frequency Identification. <i>IEEE Access</i> , 2020 , 8, 68426-68438	3.5	13
48	. <i>IEEE Access</i> , 2020 , 8, 101489-101499	3.5	165
47	Community Detection Based on Social Influence in Large Scale Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 122-137	0.4	1
46	. <i>IEEE Access</i> , 2020 , 8, 187671-187686	3.5	10
45	Home automation using general purpose household electric appliances with Raspberry Pi and commercial smartphone. <i>PLoS ONE</i> , 2020 , 15, e0238480	3.7	5
44	Hotspots Analysis Using Cyber-Physical-Social System for a Smart City. <i>IEEE Access</i> , 2020 , 8, 122197-122209	3.5	16
43	RUTUT: Roman Urdu to Urdu Translator Based on Character Substitution Rules and Unicode Mapping. <i>IEEE Access</i> , 2020 , 8, 189823-189841	3.5	3
42	Fake News Stance Detection Using Deep Learning Architecture (CNN-LSTM). <i>IEEE Access</i> , 2020 , 8, 156695-156706	3.5	16
41	MSEF-ImgSeg: An Intelligent Algorithm for Multi Scale Exposure Fusion Using Image Segmentation and GGIF. <i>IEEE Access</i> , 2020 , 8, 166060-166070	3.5	0

40	Defining Service-Oriented Trust Assessment for Social Internet of Things. <i>IEEE Access</i> , 2020 , 8, 206459-206473	3.5	3
39	Sensor-Based Human Activity Recognition Using Deep Stacked Multilayered Perceptron Model. <i>IEEE Access</i> , 2020 , 8, 218898-218910	3.5	14
38	Additive Angular Margin Loss in Deep Graph Neural Network Classifier for Learning Graph Edit Distance. <i>IEEE Access</i> , 2020 , 8, 201752-201761	3.5	3
37	Soccer Video Summarization Using Deep Learning 2019 ,		11
36	Artificial Intelligence based Camera Calibration 2019 ,		6
35	An Empirical Approach for Extreme Behavior Identification through Tweets Using Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3723	2.6	8
34	An Advanced Algorithm for Higher Network Navigation in Social Internet of Things Using Small-World Networks. <i>Sensors</i> , 2019 , 19,	3.8	23
33	OpinionML: Opinion Markup Language for Sentiment Representation. <i>Symmetry</i> , 2019 , 11, 545	2.7	4
32	Recognition of Urdu Handwritten Characters Using Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2758	2.6	18
31	Heartbeat Sound Signal Classification Using Deep Learning. <i>Sensors</i> , 2019 , 19,	3.8	37
30	Tweets Classification on the Base of Sentiments for US Airline Companies. <i>Entropy</i> , 2019 , 21, 1078	2.8	50
29	Towards Trust and Friendliness Approaches in the Social Internet of Things. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 166	2.6	31
28	Corroborating social media echelon in cancer research. <i>Quality and Quantity</i> , 2018 , 52, 801-813	2.4	1
27	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	18
26	Toward modeling and optimization of features selection in Big Data based social Internet of Things. <i>Future Generation Computer Systems</i> , 2018 , 82, 715-726	7.5	48
25	Spam comments prediction using stacking with ensemble learning. <i>Journal of Physics: Conference Series</i> , 2018 , 933, 012012	0.3	9
24	Automated Essay Scoring: A Siamese Bidirectional LSTM Neural Network Architecture. <i>Symmetry</i> , 2018 , 10, 682	2.7	11
23	Detecting fraudulent labeling of rice samples using computer vision and fuzzy knowledge. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24675-24704	2.5	6

22	Global mapping of artificial intelligence in Google and Google Scholar. <i>Scientometrics</i> , 2017 , 113, 1269-1305	11
21	Space-Time Warp Curve for Synthesizing Multi-character Motions. <i>ETRI Journal</i> , 2017 , 39, 493-501	1.4
20	Controversy detection in Wikipedia using semantic dissimilarity. <i>Information Sciences</i> , 2017 , 418-419, 581-600	7.7 3
19	Evaluating Retrieval Effectiveness by Sustainable Rank List. <i>Sustainability</i> , 2017 , 9, 1203	3.6 2
18	Prognosis Essay Scoring and Article Relevancy Using Multi-Text Features and Machine Learning. <i>Symmetry</i> , 2017 , 9, 11	2.7 7
17	Proving ground for social network analysis in the emerging research area Internet of Things(IoT). <i>Scientometrics</i> , 2016 , 109, 185-201	3 12
16	PB+-Tree: PCM-Aware B+-Tree. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 2466-2479	4.2 3
15	LDA topics: Representation and evaluation. <i>Journal of Information Science</i> , 2015 , 41, 662-675	2 13
14	A Comparative Study of PRAM-based Join Algorithms. <i>Journal of KIISE</i> , 2015 , 42, 379-389	1
13	Discriminative and deterministic approaches towards entity resolution. <i>Journal of Intelligent Information Systems</i> , 2014 , 43, 101-127	2.1 2
12	A case study for understanding the nature of redundant entities in bibliographic digital libraries. <i>Data Technologies and Applications</i> , 2014 , 48, 246-271	2
11	PTL: PRAM translation layer. <i>Microprocessors and Microsystems</i> , 2013 , 37, 24-32	2.4 6
10	A hybrid SSD with PRAM and NAND Flash memory. <i>Microprocessors and Microsystems</i> , 2012 , 36, 257-266	2.4 4
9	Optimal Scheduler with Simplified Queue Structure for Multi-Channel Wireless Networks. <i>IEEE Communications Letters</i> , 2011 , 15, 962-964	3.8 3
8	Study of the performance impact of a cache buffer in solid-state disks. <i>Microprocessors and Microsystems</i> , 2011 , 35, 359-369	2.4 7
7	A Superscalar software architecture model for Multi-Core Processors (MCPs). <i>Journal of Systems and Software</i> , 2010 , 83, 1823-1837	3.3 2
6	Coscheduled distributed-Web servers on system area network. <i>Journal of Parallel and Distributed Computing</i> , 2008 , 68, 1033-1043	4.4 3
5	A comprehensive performance and energy consumption analysis of scheduling alternatives in clusters. <i>Journal of Supercomputing</i> , 2007 , 40, 159-184	2.5

4	An SSL Back-End Forwarding Scheme in Cluster-Based Web Servers. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2007 , 18, 946-957	3.7	5
3	Employees reviews classification and evaluation (ERCE) model using supervised machine learning approaches. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	4
2	License plate identification and recognition in a non-standard environment using neural pattern matching. <i>Complex & Intelligent Systems</i> ,1	7.1	1
1	Automated disease diagnosis and precaution recommender system using supervised machine learning. <i>Multimedia Tools and Applications</i> ,1	2.5	2