

# Incheon Paik

## List of Publications by Year in descending order

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82  
papers

548  
citations

1163117

8  
h-index

888059

17  
g-index

82  
all docs

82  
docs citations

82  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Neural Language Modeling Pipelines for Outcome Prediction From Unstructured Medical Text Notes. IEEE Access, 2022, 10, 16489-16498.	4.2	4
2	An Evaluation of Hardware-Efficient Quantum Neural Networks for Image Data Classification. Electronics (Switzerland), 2022, 11, 437.	3.1	12
3	Semantic Repository for Automatic Deep Learning Generation. , 2022, , .		0
4	QoS-Aware Data Placement for MapReduce Applications in Geo-Distributed Data Centers. IEEE Transactions on Engineering Management, 2021, 68, 120-136.	3.5	8
5	Semantic Service Clustering With Lightweight BERT-Based Service Embedding Using Invocation Sequences. IEEE Access, 2021, 9, 54298-54309.	4.2	5
6	Impact of Practical Skills on Academic Performance: A Data-Driven Analysis. IEEE Access, 2021, 9, 139975-139993.	4.2	17
7	Improving Text-to-Code Generation with Features of Code Graph on GPT-2. Electronics (Switzerland), 2021, 10, 2706.	3.1	3
8	Challenges and Exit Strategies for Adapting Interactive Online Education Amid the Pandemic and its Aftermath. , 2021, , .		1
9	Distributed Neural Network with TensorFlow on Human Activity Recognition Over Multicore TPU. , 2021, , .		0
10	Performance Comparison of TPU, GPU, CPU on Google Colaboratory Over Distributed Deep Learning. , 2021, , .		8
11	Dynamic Service Recommendation Using Lightweight BERT-based Service Embedding in Edge Computing. , 2021, , .		0
12	Pneumonia Outcome Prediction Using Structured And Unstructured Data From EHR. , 2020, , .		6
13	Web Service Composition Sequence Learning Based on Neural Language Networks. , 2020, , .		0
14	Alleviating sparsity by specificity-aware ontology-based clustering for improving web service recommendation. IEEE Transactions on Electrical and Electronic Engineering, 2019, 14, 1507-1517.	1.4	8
15	Adaptable Deep Learning Generation by Automatic Service Composition. , 2019, , .		2
16	Automating Big Data Analysis Based on Deep Learning Generation by Automatic Service Composition. , 2019, , .		2
17	Extraction of Taxonomic Relation of Complex Terms by Recurrent Neural Network. , 2019, , .		2
18	Transformation-Based Streaming Workflow Allocation on Geo-Distributed Datacenters for Streaming Big Data Processing. IEEE Transactions on Services Computing, 2019, 12, 654-668.	4.6	12

#	ARTICLE	IF	CITATIONS
19	A cost minimization data allocation algorithm for dynamic datacenter resizing. Journal of Parallel and Distributed Computing, 2018, 118, 280-295.	4.1	5
20	Evaluation of Web Service Recommendation Performance via Sparsity Alleviating by Specificity-Aware Ontology-Based Clustering. , 2018, , .		0
21	Twitter and Online News analytics for Enhancing Post-Natural Disaster Management Activities. , 2018, , .		12
22	Analysis of Web Service Using Word Embedding by Deep Learning. , 2018, , .		0
23	Specificity-Aware Ontology Generation for Improving Web Service Clustering. IEICE Transactions on Information and Systems, 2018, E101.D, 2035-2043.	0.7	9
24	Classification of Taxonomical Relationship by Word Embedding. , 2018, , .		2
25	QoS-Aware Rule-Based Traffic-Efficient Multiobjective Service Selection in Big Data Space. IEEE Access, 2018, 6, 48797-48814.	4.2	7
26	Improving Service Recommendation by Alleviating the Sparsity with a Novel Ontology-Based Clustering. , 2018, , .		7
27	Discovering internal social relationship for influence-aware service recommendation. Multimedia Tools and Applications, 2017, 76, 18193-18220.	3.9	5
28	Improving Web Service Clustering through a Novel Ontology Generation Method by Domain Specificity. , 2017, , .		13
29	Constraint-Driven Dynamic Workflow for Automation of Big Data Analytics Based on GraphPlan. , 2017, , .		7
30	QoS Aware Service Clustering to Bootstrap the Web Service Selection. , 2017, , .		7
31	An efficient algorithm for web service selection based on local selection in large scale. , 2017, , .		3
32	Stock market analysis from Twitter and news based on streaming big data infrastructure. , 2017, , .		10
33	Efficient Service Discovery Using Social Service Network Based on Big Data Infrastructure. , 2017, , .		1
34	Situation awareness based on big data analysis. , 2016, , .		2
35	Analysis of data distribution to classify data based on taxonomy hierarchy. , 2016, , .		0
36	QoS-Aware Traffic-Efficient Web Service Selection over BigData Space. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Service selection on BigData-space based on heterogeneous QoS preferences. , 2016, , .		2
38	Fast Social Service Network Construction Using Map-Reduce for Efficient Service Discovery. , 2016, , .		1
39	Workflow Transformation for Real-Time Big Data Processing. , 2016, , .		4
40	Big Data Analytic Service Discovery Using Social Service Network with Domain Ontology and Workflow Awareness. , 2016, , .		7
41	Tology-Aware Optimal Data Placement Algorithm for Network Traffic Optimization. IEEE Transactions on Computers, 2016, 65, 2603-2617.	3.4	22
42	Calculating web service similarity using ontology learning with machine learning. , 2015, , .		8
43	Short-term electricity load and price forecasting based on clustering and next symbol prediction. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, 175-180.	1.4	6
44	Innovative Product Design using Metaontology with Semantic TRIZ. International Journal of Information Retrieval Research, 2015, 5, 43-65.	0.7	2
45	Investigation of network traffic in geo-distributed data centers. , 2015, , .		1
46	Privacy Issues in SOAP Message Exchange Pattern for Social Services. Fundamenta Informaticae, 2015, 137, 253-271.	0.4	0
47	Intelligent Big Data Analysis Architecture Based on Automatic Service Composition. , 2015, , .		17
48	Ontology-Based Workflow Generation for Intelligent Big Data Analytics. , 2015, , .		21
49	Topology-aware Heuristic Data Allocation Algorithm for Big Data Infrastructure. , 2015, , .		1
50	Meta-ontology for innovative product design with semantic TRIZ. , 2015, , .		2
51	Constructing a Global Social Service Network for Better Quality of Web Service Discovery. IEEE Transactions on Services Computing, 2015, 8, 284-298.	4.6	73
52	Toward Better Quality of Service Composition Based on a Global Social Service Network. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1466-1476.	5.6	23
53	Web Service Clustering using a Hybrid Term-Similarity Measure with Ontology Learning. International Journal of Web Services Research, 2014, 11, 24-45.	0.8	34
54	Ontology learning with complex data type for Web service clustering. , 2014, , .		1

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55	Improved malicious code classification considering sequence by machine learning. , 2014, , .		1
56	Context Aware Post-filtering for Web Service Clustering. , 2014, , .		4
57	Context-Aware Filtering and Visualization of Web Service Clusters. , 2014, , .		8
58	Service Discovery Based on Objective and Subjective Measures. , 2013, , .		3
59	Clustering and Spherical Visualization of Web Services. , 2013, , .		7
60	Improving efficiency of service discovery using Linked data-based service publication. Information Systems Frontiers, 2013, 15, 613-625.	6.4	29
61	Awareness of Social Influence for Service Recommendation. , 2013, , .		6
62	Web-Service Clustering with a Hybrid of Ontology Learning and Information-Retrieval-Based Term Similarity. , 2013, , .		20
63	Big Data Infrastructure for Active Situation Awareness on Social Network Services. , 2013, , .		4
64	Service discovery based on tree structure. , 2012, , .		2
65	Linked Social Service: Evolving from an Isolated Service into a Global Social Service Network. , 2012, , .		3
66	Active Situation Awareness on Web APIs for Information on Social Network Services. , 2012, , .		3
67	Global service space for workflow as a service. , 2012, , .		1
68	Linked Social Service: Connecting Isolated Services into a Global Social Service Network. , 2012, , .		1
69	Global Service Space Construction and Its Application to Workflow as a Service. , 2012, , .		2
70	Active situation awareness framework for social network services. , 2012, , .		1
71	A Functional – Scalable Architecture for Automatic Service Composition. , 2011, , .		0
72	Identification of Semistructured Abstract Nonfunctional Properties for Automatic Service Composition. , 2011, , .		0

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73	Scalable Orchestration Strategy for Automatic Service Composition. , 2010, , .		3
74	Design of user interface for Automatic Service Composition. , 2010, , .		0
75	Aggregating Web Service matchmaking variants using web search engine and machine learning. , 2010, , .		0
76	Semantic words similarity in triple relation using intermediate concept by PLSI. , 2010, , .		0
77	Modeling and Transforming Abstract Constraints for Automatic Service Composition. , 2009, , .		2
78	Design of General User Interface for Automatic Web Service Composition. , 2008, , .		6
79	Transforming Abstract QoS Requirements, Preferences, and Logic Constraints for Automatic Web Service Composition. , 2008, , .		2
80	Pattern Templates for Automating Business Choreography on Web Services. , 2007, , .		0
81	Automatic Web Services Composition Using Combining HTN and CSP. , 2007, , .		23
82	A Framework for Intelligent Web Services: Combined HTN and CSP Approach. , 2006, , .		11