

Incheon Paik

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | 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 |
| 3 | Improving efficiency of service discovery using Linked data-based service publication. Information Systems Frontiers, 2013, 15, 613-625. | 6.4 | 29 |
| 4 | Automatic Web Services Composition Using Combining HTN and CSP. , 2007, , . | | 23 |
| 5 | 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 |
| 6 | Tology-Aware Optimal Data Placement Algorithm for Network Traffic Optimization. IEEE Transactions on Computers, 2016, 65, 2603-2617. | 3.4 | 22 |
| 7 | Ontology-Based Workflow Generation for Intelligent Big Data Analytics. , 2015, , . | | 21 |
| 8 | Web-Service Clustering with a Hybrid of Ontology Learning and Information-Retrieval-Based Term Similarity. , 2013, , . | | 20 |
| 9 | Intelligent Big Data Analysis Architecture Based on Automatic Service Composition. , 2015, , . | | 17 |
| 10 | Impact of Practical Skills on Academic Performance: A Data-Driven Analysis. IEEE Access, 2021, 9, 139975-139993. | 4.2 | 17 |
| 11 | Improving Web Service Clustering through a Novel Ontology Generation Method by Domain Specificity. , 2017, , . | | 13 |
| 12 | Twitter and Online News analytics for Enhancing Post-Natural Disaster Management Activities. , 2018, , . | | 12 |
| 13 | 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 |
| 14 | An Evaluation of Hardware-Efficient Quantum Neural Networks for Image Data Classification. Electronics (Switzerland), 2022, 11, 437. | 3.1 | 12 |
| 15 | A Framework for Intelligent Web Services: Combined HTN and CSP Approach. , 2006, , . | | 11 |
| 16 | Stock market analysis from Twitter and news based on streaming big data infrastructure. , 2017, , . | | 10 |
| 17 | Specificity-Aware Ontology Generation for Improving Web Service Clustering. IEICE Transactions on Information and Systems, 2018, E101.D, 2035-2043. | 0.7 | 9 |
| 18 | Context-Aware Filtering and Visualization of Web Service Clusters. , 2014, , . | | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Calculating web service similarity using ontology learning with machine learning. , 2015, , . | | 8 |
| 20 | Alleviating sparsity by specificity-aware ontology-based clustering for improving web service recommendation. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 1507-1517. | 1.4 | 8 |
| 21 | QoS-Aware Data Placement for MapReduce Applications in Geo-Distributed Data Centers. IEEE Transactions on Engineering Management, 2021, 68, 120-136. | 3.5 | 8 |
| 22 | Performance Comparison of TPU, GPU, CPU on Google Colaboratory Over Distributed Deep Learning. , 2021, , . | | 8 |
| 23 | Clustering and Spherical Visualization of Web Services. , 2013, , . | | 7 |
| 24 | Big Data Analytic Service Discovery Using Social Service Network with Domain Ontology and Workflow Awareness. , 2016, , . | | 7 |
| 25 | Constraint-Driven Dynamic Workflow for Automation of Big Data Analytics Based on GraphPlan. , 2017, , . | | 7 |
| 26 | QoS Aware Service Clustering to Bootstrap the Web Service Selection. , 2017, , . | | 7 |
| 27 | QoS-Aware Rule-Based Traffic-Efficient Multiobjective Service Selection in Big Data Space. IEEE Access, 2018, 6, 48797-48814. | 4.2 | 7 |
| 28 | Improving Service Recommendation by Alleviating the Sparsity with a Novel Ontology-Based Clustering. , 2018, , . | | 7 |
| 29 | Design of General User Interface for Automatic Web Service Composition. , 2008, , . | | 6 |
| 30 | Awareness of Social Influence for Service Recommendation. , 2013, , . | | 6 |
| 31 | 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 |
| 32 | Pneumonia Outcome Prediction Using Structured And Unstructured Data From EHR. , 2020, , . | | 6 |
| 33 | Discovering internal social relationship for influence-aware service recommendation. Multimedia Tools and Applications, 2017, 76, 18193-18220. | 3.9 | 5 |
| 34 | A cost minimization data allocation algorithm for dynamic datacenter resizing. Journal of Parallel and Distributed Computing, 2018, 118, 280-295. | 4.1 | 5 |
| 35 | Semantic Service Clustering With Lightweight BERT-Based Service Embedding Using Invocation Sequences. IEEE Access, 2021, 9, 54298-54309. | 4.2 | 5 |
| 36 | Big Data Infrastructure for Active Situation Awareness on Social Network Services. , 2013, , . | | 4 |

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| 37 | Context Aware Post-filtering for Web Service Clustering. , 2014, , . | | 4 |
| 38 | Workflow Transformation for Real-Time Big Data Processing. , 2016, , . | | 4 |
| 39 | Comparison of Neural Language Modeling Pipelines for Outcome Prediction From Unstructured Medical Text Notes. IEEE Access, 2022, 10, 16489-16498. | 4.2 | 4 |
| 40 | Scalable Orchestration Strategy for Automatic Service Composition. , 2010, , . | | 3 |
| 41 | Linked Social Service: Evolving from an Isolated Service into a Global Social Service Network. , 2012, , . | | 3 |
| 42 | Active Situation Awareness on Web APIs for Information on Social Network Services. , 2012, , . | | 3 |
| 43 | Service Discovery Based on Objective and Subjective Measures. , 2013, , . | | 3 |
| 44 | An efficient algorithm for web service selection based on local selection in large scale. , 2017, , . | | 3 |
| 45 | Improving Text-to-Code Generation with Features of Code Graph on GPT-2. Electronics (Switzerland), 2021, 10, 2706. | 3.1 | 3 |
| 46 | Transforming Abstract QoS Requirements, Preferences, and Logic Constraints for Automatic Web Service Composition. , 2008, , . | | 2 |
| 47 | Modeling and Transforming Abstract Constraints for Automatic Service Composition. , 2009, , . | | 2 |
| 48 | Service discovery based on tree structure. , 2012, , . | | 2 |
| 49 | Global Service Space Construction and Its Application to Workflow as a Service. , 2012, , . | | 2 |
| 50 | Innovative Product Design using Metaontology with Semantic TRIZ. International Journal of Information Retrieval Research, 2015, 5, 43-65. | 0.7 | 2 |
| 51 | Meta-ontology for innovative product design with semantic TRIZ. , 2015, , . | | 2 |
| 52 | Situation awareness based on big data analysis. , 2016, , . | | 2 |
| 53 | Service selection on BigData-space based on heterogeneous QoS preferences. , 2016, , . | | 2 |
| 54 | Classification of Taxonomical Relationship by Word Embedding. , 2018, , . | | 2 |

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|----|---|----|-----------|
| 55 | Adaptable Deep Learning Generation by Automatic Service Composition. , 2019, , . | | 2 |
| 56 | Automating Big Data Analysis Based on Deep Learning Generation by Automatic Service Composition. , 2019, , . | | 2 |
| 57 | Extraction of Taxonomic Relation of Complex Terms by Recurrent Neural Network. , 2019, , . | | 2 |
| 58 | Global service space for workflow as a service. , 2012, , . | | 1 |
| 59 | Linked Social Service: Connecting Isolated Services into a Global Social Service Network. , 2012, , . | | 1 |
| 60 | Active situation awareness framework for social network services. , 2012, , . | | 1 |
| 61 | Ontology learning with complex data type for Web service clustering. , 2014, , . | | 1 |
| 62 | Improved malicious code classification considering sequence by machine learning. , 2014, , . | | 1 |
| 63 | Investigation of network traffic in geo-distributed data centers. , 2015, , . | | 1 |
| 64 | Topology-aware Heuristic Data Allocation Algorithm for Big Data Infrastructure. , 2015, , . | | 1 |
| 65 | QoS-Aware Traffic-Efficient Web Service Selection over BigData Space. , 2016, , . | | 1 |
| 66 | Fast Social Service Network Construction Using Map-Reduce for Efficient Service Discovery. , 2016, , . | | 1 |
| 67 | Efficient Service Discovery Using Social Service Network Based on Big Data Infrastructure. , 2017, , . | | 1 |
| 68 | Challenges and Exit Strategies for Adapting Interactive Online Education Amid the Pandemic and its Aftermath. , 2021, , . | | 1 |
| 69 | Pattern Templates for Automating Business Choreography on Web Services. , 2007, , . | | 0 |
| 70 | Design of user interface for Automatic Service Composition. , 2010, , . | | 0 |
| 71 | Aggregating Web Service matchmaking variants using web search engine and machine learning. , 2010, , . | | 0 |
| 72 | Semantic words similarity in triple relation using intermediate concept by PLSI. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | A Functional – Scalable Architecture for Automatic Service Composition. , 2011, , . | | 0 |
| 74 | Identification of Semistructured Abstract Nonfunctional Properties for Automatic Service Composition. , 2011, , . | | 0 |
| 75 | Privacy Issues in SOAP Message Exchange Pattern for Social Services. Fundamenta Informaticae, 2015, 137, 253-271. | 0.4 | 0 |
| 76 | Analysis of data distribution to classify data based on taxonomy hierarchy. , 2016, , . | | 0 |
| 77 | Evaluation of Web Service Recommendation Performance via Sparsity Alleviating by Specificity-Aware Ontology-Based Clustering. , 2018, , . | | 0 |
| 78 | Analysis of Web Service Using Word Embedding by Deep Learning. , 2018, , . | | 0 |
| 79 | Web Service Composition Sequence Learning Based on Neural Language Networks. , 2020, , . | | 0 |
| 80 | Semantic Repository for Automatic Deep Learning Generation. , 2022, , . | | 0 |
| 81 | Distributed Neural Network with TensorFlow on Human Activity Recognition Over Multicore TPU. , 2021, , . | | 0 |
| 82 | Dynamic Service Recommendation Using Lightweight BERT-based Service Embedding in Edge Computing. , 2021, , . | | 0 |