

# Eunmi Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,124  
citations

1163117

8  
h-index

1125743

13  
g-index

43  
all docs

43  
docs citations

43  
times ranked

963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance-Cost Trade-Off in Auto-Scaling Mechanisms for Cloud Computing. <i>Sensors</i> , 2022, 22, 1221.	3.8	2
2	Supporting availability evaluation of a smart building monitoring system aided by fog computing. <i>Electronics Letters</i> , 2022, 58, 471-473.	1.0	4
3	Dependability and Security Quantification of an Internet of Medical Things Infrastructure Based on Cloud-Fog-Edge Continuum for Healthcare Monitoring Using Hierarchical Models. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15704-15748.	8.7	19
4	Performability Evaluation of Load Balancing and Fail-over Strategies for Medical Information Systems with Edge/Fog Computing Using Stochastic Reward Nets. <i>Sensors</i> , 2021, 21, 6253.	3.8	13
5	A Hierarchical Modeling and Analysis Framework for Availability and Security Quantification of IoT Infrastructures. <i>Electronics (Switzerland)</i> , 2020, 9, 155.	3.1	17
6	Reliability and Availability Evaluation for Cloud Data Center Networks Using Hierarchical Models. <i>IEEE Access</i> , 2019, 7, 9273-9313.	4.2	41
7	A stochastic reward net-based assessment of reliability, availability and operational cost for a software-defined network infrastructure. <i>Journal of Supercomputing</i> , 2019, 75, 4657-4683.	3.6	5
8	A comprehensive evaluation of availability and operational cost for a virtualized server system using stochastic reward nets. <i>Journal of Supercomputing</i> , 2018, 74, 222-276.	3.6	15
9	A Scalable Network Area Storage with Virtualization. , 2018, , .		0
10	Stochastic Reward Net-based Modeling Approach for Availability Quantification of Data Center Systems. , 2018, , .		5
11	Big data pre-processing methods with vehicle driving data using MapReduce techniques. <i>Journal of Supercomputing</i> , 2017, 73, 3179-3195.	3.6	10
12	A basis of spatial big data analysis with map-matching system. <i>Cluster Computing</i> , 2017, 20, 2177-2192.	5.0	9
13	A GPS Trajectory Map-Matching Mechanism with DTG Big Data on the HBase System. , 2015, , .		10
14	An analysis of performance factors on Esperâ€based stream big data processing in a virtualized environment. <i>International Journal of Communication Systems</i> , 2014, 27, 898-917.	2.5	12
15	Reconfigurable Intelligent Control Architecture of a Small-Scale Unmanned Helicopter. <i>Journal of Aerospace Engineering</i> , 2014, 27, 04014001.	1.4	5
16	The CPS with the Hadoop ecosystems. , 2013, , .		1
17	An Awareness Approach to Analyze ECG Streaming Data. <i>Journal of Medical Systems</i> , 2013, 37, 9901.	3.6	3
18	Event driven adaptive awareness system for Medical Cyber Physical Systems. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
19	Remote control system for User Created Robot supporting interoperability between controller and robot. , 2010, , .		3
20	Hand gesture recognition algorithm based on grayscale histogram of the image. , 2010, , .		13
21	Auto landing control for small scale unmanned helicopter with flight gear and HILS. , 2010, , .		6
22	Secure-EEDR: Dynamic Key Exchange Protocol Based on Diffie-Hellman Algorithm with NOVSF Code-Hopping Technique for Wireless Sensor Networks. , 2010, , .		0
23	A Taxonomy and Survey of Cloud Computing Systems. , 2009, , .		829
24	Managing and Integrating Social Networks in P2P Infrastructure. , 2009, , .		1
25	A neural network approach to mammogram image classification using fractal features. , 2009, , .		8
26	A Conceptual Approach for Taxonomical Spectrum of Cloud Computing. , 2009, , .		9
27	An Agent-Based Migration Transparency and Fault Tolerance in Computational Grid. , 2009, , .		0
28	Simulation of nonlinear identification and control of Unmanned Aerial Vehicle: An Artificial Neural Network approach. , 2009, , .		5
29	Fault tolerance for embedded control system. , 2009, , .		1
30	Conceptual Modeling of Enterprise Application System Using Social Networking and Web 2.0 &#147;Social CRM System&#148;. , 2008, , .		30
31	A High Connectivity Pre-Distribution Key Management Scheme in Grid-Based Wireless Sensor Networks. , 2008, , .		2
32	Character Animation Tool "Biped Hand Selector". , 2008, , .		0
33	Environment-Aware Communication Model in the Perspective of Web Ecosystems. , 2008, , .		0
34	Home multimedia integration system using UPnP and Service Convergence Gateway engine. , 2008, , .		1
35	An Energy-Efficient Data Dissemination protocol for Grid-Based Wireless Sensor Networks. , 2008, , .		8
36	Domain Specific Modeling of Business Processes and Entity Mapping Using Generic Modeling Environment (GME). , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	A Taxonomy and Survey on Distributed File Systems. , 2008, , .		30
38	Data Structures for Storing File Namespace in Distributed File System. , 2008, , .		1
39	The WORKGLOW System in P2P-based Web Service Orchestration. , 2007, , .		0
40	Meta-Modeling Approach of Building CRM System Using GME-MOF. , 2007, , .		1
41	Meta-Modeling Approach of Building CRM System Using GME-MOF. , 2007, , .		0
42	The WORKGLOW System in P2P-based Web Service Orchestration. , 2007, , .		0