

# Dimosthenis Kyriazis

## List of Publications by Year in descending order

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Version: 2024-02-01

155  
papers

1,617  
citations

430874

18  
h-index

501196

28  
g-index

161  
all docs

161  
docs citations

161  
times ranked

1376  
citing authors

#	ARTICLE	IF	CITATIONS
1	HealthFetch: An Influence-Based, Context-Aware Prefetch Scheme in Citizen-Centered Health Storage Clouds. <i>Future Internet</i> , 2022, 14, 112.	3.8	4
2	Multilingual Sentiment Analysis on Twitter Data Towards Enhanced Policy Making. <i>IFIP Advances in Information and Communication Technology</i> , 2022, , 325-337.	0.7	3
3	Indexing of Cloud Stored Electronic Health Records for Consented Third Party Accessing. , 2021, , .		1
4	Analyzing Collective Knowledge Towards Public Health Policy Making. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 171-181.	0.7	0
5	STARdom: An Architecture for Trusted and Secure Human-Centered Manufacturing Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 199-207.	0.7	8
6	SemAI: A Novel Approach for Achieving Enhanced Semantic Interoperability in Public Policies. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 687-699.	0.7	3
7	An Optimized KDD Process for Collecting and Processing Ingested and Streaming Healthcare Data. , 2021, , .		5
8	A Comparative Study of Bluetooth SPP, PAN and GOEP for Efficient Exchange of Healthcare Data. <i>Emerging Science Journal</i> , 2021, 5, 279-293.	3.7	4
9	beHEALTHIER: A Microservices Platform for Analyzing and Exploiting Healthcare Data. , 2021, , .		10
10	A KPI-Enabled NFV MANO Architecture for Network Slicing with QoS. <i>IEEE Communications Magazine</i> , 2021, 59, 44-50.	6.1	7
11	Prioritization of IoT Devices Healthcare Data based on Attribute Scoring and Metadata Annotation. , 2021, , .		1
12	A Health Information Exchange Protocol Supporting Bluetooth-based Messages. , 2021, , .		1
13	Disaster Recovery Layer for Distributed OpenStack Deployments. <i>IEEE Transactions on Cloud Computing</i> , 2020, 8, 112-123.	4.4	8
14	A plug & play approach for dynamic data acquisition from heterogeneous IoT medical devices of unknown nature. <i>Evolving Systems</i> , 2020, 11, 269-289.	3.9	12
15	Comparison of Management and Orchestration Solutions for the 5G Era. <i>Journal of Sensor and Actuator Networks</i> , 2020, 9, 4.	3.9	39
16	Identification of IoT Medical Devices APIs Through Ontology Mapping Techniques. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 39-54.	1.1	3
17	CrowdHEALTH: An e-Health Big Data Driven Platform towards Public Health Policies. , 2020, , .		1
18	Test Recommendation for Service Validation in 5G Networks. <i>Lecture Notes in Business Information Processing</i> , 2020, , 139-150.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Modelling and Evaluation of Policies. Acta Informatica Medica, 2020, 28, 58.	1.1	1
20	AutoClust: A Framework for Automated Clustering Based on Cluster Validity Indices. , 2020, , .		9
21	Real-time adaptable resource allocation for distributed data-intensive applications over cloud and edge environments. , 2020, , .		0
22	Health Record Index: Secure Access of Cloud-Stored Healthcare Data. Studies in Health Technology and Informatics, 2020, 272, 221-224.	0.3	1
23	Towards Optimized Verification and Validation of 5G Services. , 2019, , .		0
24	Analyzing data and data sources towards a unified approach for ensuring end-to-end data and data sources quality in healthcare 4.0. Computer Methods and Programs in Biomedicine, 2019, 181, 104967.	4.7	23
25	Identification of Bluetooth-Enabled IoT Devices Through Syntactic Similarity Techniques. , 2019, , .		1
26	Aggregating the syntactic and semantic similarity of healthcare data towards their transformation to HL7 FHIR through ontology matching. International Journal of Medical Informatics, 2019, 132, 104002.	3.3	31
27	CrowdHEALTH - Collective Wisdom Driving Public Health Policies. , 2019, , .		0
28	The Road to the Future of Healthcare: Transmitting Interoperable Healthcare Data Through a 5G Based Communication Platform. Lecture Notes in Business Information Processing, 2019, , 383-401.	1.0	6
29	Structurally Mapping Healthcare Data to HL7 FHIR through Ontology Alignment. Journal of Medical Systems, 2019, 43, 62.	3.6	31
30	Introducing Automated Verification and Validation for Virtualized Network Functions and Services. IEEE Communications Magazine, 2019, 57, 96-102.	6.1	26
31	IoT in Healthcare: Achieving Interoperability of High-Quality Data Acquired by IoT Medical Devices. Sensors, 2019, 19, 1978.	3.8	57
32	An Integrated SLA Management Framework in a 5G Environment. , 2019, , .		9
33	Resilient Eco-Smart Strategies and Innovative Technologies to Protect Cultural Heritage. Communications in Computer and Information Science, 2019, , 376-384.	0.5	1
34	An Innovative eHealth System Powered By 5G Network Slicing. , 2019, , .		27
35	Advanced NFV Features Applied to Multimedia Real-Time Communications Use Case. , 2019, , .		3
36	Orchestrating Live Immersive Media Services Over Cloud Native Edge Infrastructure. , 2019, , .		4

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37	Modelling and prediction of resources and services state evolution for efficient runtime adaptations. <i>Future Generation Computer Systems</i> , 2019, 94, 1-10.	7.5	3
38	Innovative Methodology for Personalized 3D Representation and Big Data Management in Cultural Heritage. <i>Communications in Computer and Information Science</i> , 2019, , 69-77.	0.5	3
39	Internet of Medical Things (IoMT): Acquiring and Transforming Data into HL7 FHIR through 5G Network Slicing. <i>Emerging Science Journal</i> , 2019, 3, 64.	3.7	36
40	Towards a Secure Semantic Knowledge of Healthcare Data Through Structural Ontological Transformations. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 178-188.	0.6	2
41	Introducing Licensing Throughout SLAs in NFV Environment. <i>Lecture Notes in Computer Science</i> , 2019, , 169-177.	1.3	0
42	A String Similarity Evaluation for Healthcare Ontologies Alignment to HL7 FHIR Resources. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 956-970.	0.6	4
43	Managing and Optimizing Quality of Service in 5G Environments Across the Complete SLA Lifecycle. <i>Advances in Science, Technology and Engineering Systems</i> , 2019, 4, 329-342.	0.5	5
44	The CrowdHEALTH project and the Hollistic Health Records: Collective Wisdom Driving Public Health Policies. <i>Acta Informatica Medica</i> , 2019, 27, 369.	1.1	16
45	Interoperability Techniques in CrowdHEALTH project: The Terminology Service. <i>Acta Informatica Medica</i> , 2019, 27, 355.	1.1	5
46	Data Sources and Gateways: Design and Open Specification. <i>Acta Informatica Medica</i> , 2019, 27, 341.	1.1	8
47	Delivering Reliability of Data Sources in IoT Healthcare Ecosystems. , 2019, , .		4
48	CrowdHEALTH: Big Data Analytics and Holistic Health Records. <i>Studies in Health Technology and Informatics</i> , 2019, 258, 255-256.	0.3	4
49	Plug&~n~play IoT Devices: An Approach for Dynamic Data Acquisition from Unknown Heterogeneous Devices. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 885-895.	0.6	5
50	An integrated information lifecycle management framework for exploiting social network data to identify dynamic large crowd concentration events in smart cities applications. <i>Future Generation Computer Systems</i> , 2018, 78, 516-530.	7.5	25
51	Trustworthy data processing for health analytics tasks. , 2018, , .		2
52	A Web Based Modular Environment for Assisting Health Policy Making Utilizing Big Data Analytics. , 2018, , .		6
53	Exploring the complete data path for data interoperability in cyber-physical systems. <i>International Journal of High Performance Computing and Networking</i> , 2018, 12, 339.	0.4	1
54	Protection of Service-Oriented Environments Serving Critical Infrastructures. <i>Inventions</i> , 2018, 3, 62.	2.5	1

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55	Towards Autonomic Policy-based Network Service Deployment with SLA and Monitoring. , 2018, , .		4
56	FHIR Ontology Mapper (FOM): Aggregating Structural and Semantic Similarities of Ontologies towards their Alignment to HL7 FHIR. , 2018, , .		13
57	Dynamic 5G Slices for IoT Applications with Diverse Requirements. , 2018, , .		17
58	Capturing the Reliability of Unknown Devices in the IoT World. , 2018, , .		16
59	BigDataStack: A Holistic Data-Driven Stack for Big Data Applications and Operations. , 2018, , .		5
60	5Gtango: A Beyond-Mano Service Platform. , 2018, , .		22
61	5GTANGO: An Approach for Testing NFV Deployments. , 2018, , .		19
62	A Generic Approach for Capturing Reliability in Medical Cyber-Physical Systems. IFIP Advances in Information and Communication Technology, 2018, , 250-262.	0.7	0
63	5G & SLAs: Automated proposition and management of agreements towards QoS enforcement. , 2018, , .		14
64	BYOS: Bring Your Own Security in Clouds and Service Oriented Infrastructures. , 2018, , .		4
65	SLAs in 5G: A Complete Framework Facilitating VNF- and NS- Tailored SLAs Management. , 2018, , .		11
66	Cheapo: An algorithm for runtime adaption of time intervals applied in 5G networks. , 2018, , .		1
67	Acquiring the Ontological Representation of Healthcare Data Through Metamodeling Techniques. Lecture Notes in Business Information Processing, 2017, , 324-336.	1.0	1
68	A Comparative Study in Data Mining: Clustering and Classification Capabilities. Lecture Notes in Business Information Processing, 2017, , 82-96.	1.0	3
69	A Comparative Study of Classification Techniques for Managing IoT Devices of Common Specifications. Lecture Notes in Computer Science, 2017, , 67-77.	1.3	11
70	Gaining the Semantic Knowledge of Healthcare Data through Syntactic Models Transformations. , 2017, , .		4
71	Verification and validation framework for 5G network services and apps. , 2017, , .		18
72	Aggregating Heterogeneous Health Data through an Ontological Common Health Language. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
73	Collaborative Filtering for Producing Recommendations in the Retail Sector. Lecture Notes in Business Information Processing, 2017, , 662-669.	1.0	1
74	Towards Data Interoperability: Turning Domain Specific Knowledge to Agnostic across the Data Lifecycle. , 2016, , .		8
75	Opportunistic Collaborative Service Networks: The Facilitator for Efficient Data and Services Exchange. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 307-314.	0.3	1
76	Comparison of Database and Workload Types Performance in Cloud Environments. Lecture Notes in Computer Science, 2016, , 138-150.	1.3	1
77	Cloud Services for Healthcare. , 2016, , 709-734.		1
78	Employing Relevance Feedback to Embed Content and Service Importance into the Selection Process of Composite Cloud Services. Lecture Notes in Computer Science, 2016, , 98-114.	1.3	0
79	Challenges Emerging from Future Cloud Application Scenarios. Procedia Computer Science, 2015, 68, 227-237.	2.0	34
80	High performance fault-tolerance for clouds. , 2015, , .		3
81	Real-time event management in cloud environments. International Journal of High Performance Computing and Networking, 2015, 8, 212.	0.4	7
82	Hierarchical Fuzzy Clustering in Conjunction with Particle Swarm Optimization to Efficiently Design RBF Neural Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 105-125.	3.4	14
83	Social monitoring and social analysis in internet of things virtual networks. , 2015, , .		17
84	Cloud Services for Healthcare. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 292-317.	0.5	1
85	Experimenting with Application-Based Benchmarks on Different Cloud Providers via a Multi-cloud Execution and Modeling Framework. Communications in Computer and Information Science, 2015, , 213-227.	0.5	0
86	An architecture supporting knowledge flow in Social Internet of Things systems. , 2014, , .		21
87	What Can OpenStack Adopt from a Ganeti-Based Open-Source IaaS?. , 2014, , .		4
88	Efficient Scalability through Layered Monitoring and Event Processing. , 2014, , .		0
89	4CaaS marketplace: An advanced business environment for trading cloud services. Future Generation Computer Systems, 2014, 41, 104-120.	7.5	28
90	Dynamic, behavioral-based estimation of resource provisioning based on high-level application terms in Cloud platforms. Future Generation Computer Systems, 2014, 32, 27-40.	7.5	49

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91	A Comparison of Two Different Approaches to Cloud Monitoring. Studies in Computational Intelligence, 2014, , 69-91.	0.9	3
92	Sustainable smart city IoT applications: Heat and electricity management & Eco-conscious cruise control for public transportation. , 2013, , .		83
93	Smart, Autonomous and Reliable Internet of Things. Procedia Computer Science, 2013, 21, 442-448.	2.0	58
94	An IoT enabled point system for end-to-end multi-modal transportation optimization. , 2013, , .		5
95	Parametric Design and Performance Analysis of a Decoupled Service-Oriented Prediction Framework Based on Embedded Numerical Software. IEEE Transactions on Services Computing, 2013, 6, 511-524.	4.6	13
96	Migrating Legacy Software to the Cloud with ARTIST. , 2013, , .		26
97	Real-time computer vision in clouds through effective monitoring and workflow management. , 2013, , .		0
98	QoS-oriented Service Management in large scale federated clouds. , 2013, , .		1
99	Commercial and Distributed Storage Systems. , 2013, , 1-8.		1
100	Workflow Management Systems in Distributed Environments. , 2013, , 142-159.		0
101	Modeling the interactions between cloud service providers. , 2012, , .		1
102	A Monitoring Mechanism for Storage Clouds. , 2012, , .		3
103	Legacy applications on the cloud: Challenges and enablers focusing on application performance analysis and providers characteristics. , 2012, , .		6
104	A recommender mechanism for service selection in service-oriented environments. Future Generation Computer Systems, 2012, 28, 1285-1294.	7.5	27
105	A look to the old-world_sky. Operating Systems Review (ACM), 2012, 46, 43-56.	1.9	6
106	Virtualised e-Learning on the IRMOS real-time Cloud. Service Oriented Computing and Applications, 2012, 6, 151-166.	1.6	16
107	Dynamic QoS-aware data replication in grid environments based on data "importance". Future Generation Computer Systems, 2012, 28, 544-553.	7.5	43
108	Workflow management for soft real-time interactive applications in virtualized environments. Future Generation Computer Systems, 2012, 28, 193-209.	7.5	27

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109	A Self-adaptive hierarchical monitoring mechanism for Clouds. Journal of Systems and Software, 2012, 85, 1029-1041.	4.5	76
110	OPTIMIS and VISION Cloud: How to Manage Data in Clouds. Lecture Notes in Computer Science, 2012, , 35-44.	1.3	2
111	Retrieving, Storing, Correlating and Distributing Information for Cloud Management. Lecture Notes in Computer Science, 2012, , 114-124.	1.3	3
112	Scenarios of Next Generation Grid Applications in Collaborative Environments. , 2012, , 1764-1784.		1
113	Monitoring in Federated and Self-Manageable Clouds. , 2012, , 117-133.		0
114	Grid Workflows with Encompassed Business Relationships. , 2012, , 1332-1348.		0
115	Interactive Social TV on Service Oriented Environments: Challenges and Enablers. , 2011, , .		5
116	A Unified Management Model for Data Intensive Storage Clouds. , 2011, , .		7
117	A Cloud Environment for Data-intensive Storage Services. , 2011, , .		34
118	Virtual and Augmented Reality: Improved User Experience through a Service Oriented Infrastructure. , 2011, , .		3
119	Translation of application-level terms to resource-level attributes across the Cloud stack layers. , 2011, , .		13
120	QoS-oriented Service Management in clouds for large scale industrial activity recognition. , 2011, , .		0
121	Exploiting grid technologies for the simulation of clinical trials: the paradigm of in silico radiation oncology. Simulation, 2011, 87, 893-910.	1.8	3
122	A Real-time Service Oriented Infrastructure. GSTF International Journal on Computing, 2011, 1, .	0.2	9
123	Minimizing Technical Complexities in Emerging Cloud Computing Platforms. Lecture Notes in Computer Science, 2011, , 603-610.	1.3	1
124	A Study on the Effect of Application and Resource Characteristics on the QoS in Service Provisioning Environments. International Journal of Distributed Systems and Technologies, 2010, 1, 55-75.	0.7	3
125	An Architectural Approach for Event-Based Execution Management in Service Oriented Infrastructures. , 2010, , .		1
126	Platform-as-a-Service Architecture for Real-Time Quality of Service Management in Clouds. , 2010, , .		94



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127	A Service Oriented Architecture for achieving QoS-aware Workflow Management in Virtualized Environments. , 2010, , .		2
128	A Service-Oriented Framework for GNU Octave-Based Performance Prediction. , 2010, , .		15
129	Virtualised e-Learning with real-time guarantees on the IRMOS platform. , 2010, , .		15
130	A service oriented monitoring framework for soft real-time applications. , 2010, , .		11
131	Service Selection Decision Support in the Internet of Services. Lecture Notes in Computer Science, 2010, , 16-33.	1.3	13
132	A Real-time Service Oriented Infrastructure. , 2010, , .		10
133	A Real-time Service Oriented Infrastructure. , 2010, , .		19
134	Service selection and workflow mapping for Grids: an approach exploiting quality-of-service information. Concurrency Computation Practice and Experience, 2009, 21, 739-766.	2.2	8
135	Fault tolerant and prioritized scheduling in OGSA-based mobile Grids. Concurrency Computation Practice and Experience, 2009, 21, 533-556.	2.2	8
136	Real-time reconfiguration for guaranteeing QoS provisioning levels in Grid environments. Future Generation Computer Systems, 2009, 25, 779-784.	7.5	18
137	Special section: Real-time attributes in grids. Future Generation Computer Systems, 2009, 25, 756-757.	7.5	1
138	Service oriented license providing. , 2009, , .		3
139	Real-Time Guarantees in Flexible Advance Reservations. , 2009, , .		5
140	Scenarios of Next Generation Grid Applications in Collaborative EnvironmentsA Business-Technical Analysis. , 2009, , 40-60.		0
141	A Neural Network Approach Implementing Non-Linear Relevance Feedback to Improve the Performance of Medical Information Retrieval Systems. , 2009, , 255-272.		0
142	A QoS-Based Selection Mechanism Exploiting Business Relationships in Workflows. Lecture Notes in Computer Science, 2009, , 102-115.	1.3	0
143	An innovative workflow mapping mechanism for Grids in the frame of Quality of Service. Future Generation Computer Systems, 2008, 24, 498-511.	7.5	51
144	A novel mechanism for provisioning of high-level quality of service information in grid environments. European Journal of Operational Research, 2008, 191, 1113-1131.	5.7	9

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145	Evaluating Quality Provisioning Levels in Service Oriented Business Environments. , 2008, , .		2
146	Clinical trial simulation in Grid environments. , 2008, , .		1
147	QoS-Based Decision Services in Grids. , 2008, , .		1
148	Realtime-enabled workflow management in service oriented infrastructures. , 2008, , .		3
149	Data Aggregation and Analysis: A Grid-Based Approach for Medicine and Biology. , 2008, , .		2
150	Business Relationships in Grid Workflows. Lecture Notes in Computer Science, 2008, , 28-40.	1.3	1
151	e-Business applications on the Grid: a toolkit for centralized workload prediction and access. Concurrency Computation Practice and Experience, 2007, 19, 867-883.	2.2	7
152	An Open Architecture for QoS Information in Business Grids. , 2007, , 37-49.		1
153	Taxonomy and State of the Art of Service Discovery Mechanisms and Their Relation to the Cloud Computing Stack. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 75-93.	0.5	3
154	Workflow Management Systems in Distributed Environments. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 115-132.	0.5	0
155	Grid Workflows with Encompassed Business Relationship. , 0, , 128-145.		1