

Schahram Dustdar

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.

625
papers

14,559
citations

51
h-index

102
g-index

750
ext. papers

17,776
ext. citations

2.1
avg, IF

7.1
L-index

#	Paper	IF	Citations
625	On distributed computing continuum systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	4
624	Mobility-aware Offloading and Resource Allocation for Distributed Services Collaboration. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022 , 1-1	3.7	3
623	Spatial-Keyword Skyline Publish/Subscribe Query Processing over Distributed Sliding Window Streaming Data. <i>IEEE Transactions on Computers</i> , 2022 , 1-1	2.5	1
622	A Service Pattern-Oriented Computing Architecture for Service Ecosystems. <i>IEEE Internet Computing</i> , 2022 , 26, 51-59	2.4	1
621	Guest Editorial Special Issue on Secure Data Analytics for Emerging Internet of Things. <i>IEEE Internet of Things Journal</i> , 2022 , 9, 2463-2467	10.7	
620	Adaptive density peaks clustering: Towards exploratory EEG analysis. <i>Knowledge-Based Systems</i> , 2022 , 108123	7.3	1
619	Adaptive Management of Volatile Edge Systems at Runtime With Satisfiability. <i>ACM Transactions on Internet Technology</i> , 2022 , 22, 1-21	3.8	1
618	Task Partitioning and Orchestration on Heterogeneous Edge Platforms: The Case of Vision Applications. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	1
617	Sharing Reputation Data Across Online Communities, Challenges and future directions. <i>IEEE Internet Computing</i> , 2022 , 1-1	2.4	
616	Roadmap for edge AI. <i>Computer Communication Review</i> , 2022 , 52, 28-33	1.4	5
615	Evidence fusion-based alarm system design considering coarse and fine changes of process variable. <i>Journal of Process Control</i> , 2022 , 113, 68-79	3.9	
614	AI for next generation computing: Emerging trends and future directions. <i>Internet of Things (Netherlands)</i> , 2022 , 19, 100514	6.9	21
613	Utilizing AI Planning on the Edge. <i>IEEE Internet Computing</i> , 2022 , 26, 28-35	2.4	0
612	Remote Sensing Image Interpretation with Semantic Graph-based Methods: A Survey. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 1-1	4.7	0
611	Dependent Function Embedding for Distributed Serverless Edge Computing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 1-1	3.7	1
610	Toward Sustainable Serverless Computing. <i>IEEE Internet Computing</i> , 2021 , 25, 42-50	2.4	3
609	Edge-based autonomous management of vertical farms. <i>IEEE Internet Computing</i> , 2021 , 1-1	2.4	1

608	On System Stability in Multitier Roadside Computing Toward an Intelligent Transportation. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	
607	Fog Robotics Understanding the Research Challenges. <i>IEEE Internet Computing</i> , 2021 , 25, 10-17	2.4	2
606	The Sky is the Edge Toward Mobile Coverage From the Sky. <i>IEEE Internet Computing</i> , 2021 , 25, 101-108	2.4	4
605	A Privacy Preserving System for AI-assisted Video Analytics 2021 ,		1
604	Toward Distributed, Global, Deep Learning Using IoT Devices. <i>IEEE Internet Computing</i> , 2021 , 25, 6-12	2.4	3
603	Interhost Orchestration Platform Architecture for Ultrascale Cloud Applications. <i>IEEE Internet Computing</i> , 2021 , 25, 23-30	2.4	
602	A novel nonlinear causal inference approach using vector-based belief rule base. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 5005-5027	8.4	1
601	Control Flow Versus Data Flow in Distributed Systems Integration: Revival of Flow-Based Programming for the Industrial Internet of Things. <i>IEEE Internet Computing</i> , 2021 , 25, 5-12	2.4	0
600	Optimal Application Deployment in Resource Constrained Distributed Edges. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 1907-1923	4.6	45
599	Optimized container scheduling for data-intensive serverless edge computing. <i>Future Generation Computer Systems</i> , 2021 , 114, 259-271	7.5	29
598	EdgeBooster: Edge-Assisted Real-Time Image Segmentation for the Mobile Web in WoT. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 7288-7302	10.7	2
597	A Decentralized Approach for Resource Discovery using Metadata Replication in Edge Networks. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4.8	0
596	EdgeFlow -Developing and Deploying Latency-Sensitive IoT Edge applications. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
595	DPOs: Decentralized, Privacy-Preserving, and Low-Complexity Online Slicing for Multi-Tenant Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	5
594	Revisiting the Arguments for Edge Computing Research. <i>IEEE Internet Computing</i> , 2021 , 1-1	2.4	3
593	A Lightweight Collaborative Deep Neural Network for the Mobile Web in Edge Cloud. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
592	Towards IoT Processes on the Edge. <i>Lecture Notes in Computer Science</i> , 2021 , 167-178	0.9	1
591	Edge-based Runtime Verification for the Internet of Things. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4.8	2

590	Context-Aware Routing in Fog Computing Systems. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	2
589	Connectivity Technology Selection and Deployment Strategies for IoT Service Provision Over LPWAN. <i>IEEE Internet Computing</i> , 2021 , 25, 61-70	2.4	3
588	Serverless Edge Computing: Vision and Challenges 2021 ,		28
587	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5645-5656	11.9	7
586	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1901-1912	7	11
585	A Utility-Aware General Framework With Quantifiable Privacy Preservation for Destination Prediction in LBSs. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 1-14	3.8	7
584	. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4.8	6
583	Edge and Fog: A Survey, Use Cases, and Future Challenges 2020 , 43-65		17
582	A Service-oriented Network Infrastructure for Crossover Service Ecosystems. <i>IEEE Internet Computing</i> , 2020 , 24, 48-58	2.4	3
581	. <i>IEEE Network</i> , 2020 , 34, 254-261	11.4	20
580	Edge Intelligence: The Confluence of Edge Computing and Artificial Intelligence. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7457-7469	10.7	183
579	Rethinking Divide and Conquer Towards Holistic Interfaces of the Computing Stack. <i>IEEE Internet Computing</i> , 2020 , 24, 45-57	2.4	3
578	2020 ,		4
577	COM-PACE: Compliance-Aware Cloud Application Engineering Using Blockchain. <i>IEEE Internet Computing</i> , 2020 , 24, 45-53	2.4	8
576	Edge AR X5: An Edge-Assisted Multi-User Collaborative Framework for Mobile Web Augmented Reality in 5G and Beyond. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	4
575	Towards Distributed Edge-based Systems 2020 ,		2
574	IoTsim-Edge: A simulation framework for modeling the behavior of Internet of Things and edge computing environments. <i>Software - Practice and Experience</i> , 2020 , 50, 844-867	2.5	26
573	Next generation technologies for smart healthcare: challenges, vision, model, trends and future directions. <i>Internet Technology Letters</i> , 2020 , 3, e145	1.3	43

572	Efficient Hosting of Robust IoT Applications on Edge Computing Platform 2020 ,		1
571	Distributed Redundancy Scheduling for Microservice-based Applications at the Edge. <i>IEEE Transactions on Services Computing</i> , 2020 , 1-1	4.8	23
570	6G Vision: An AI-Driven Decentralized Network and Service Architecture. <i>IEEE Internet Computing</i> , 2020 , 24, 33-40	2.4	11
569	A Programming Model for Hybrid Collaborative Adaptive Systems. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 8, 6-19	4.1	4
568	Latency-Aware Distributed Resource Provisioning for Deploying IoT Applications at the Edge of the Network. <i>Lecture Notes in Networks and Systems</i> , 2020 , 377-391	0.5	9
567	Edge-to-Edge Resource Discovery using Metadata Replication 2019 ,		8
566	A Performance Evaluation of Data Protection Mechanisms for Resource Constrained IoT Devices 2019 ,		3
565	2019 ,		18
564	A Framework for Monitoring Microservice-Oriented Cloud Applications in Heterogeneous Virtualization Environments 2019 ,		11
563	2019 ,		5
562	Introduction to the Special Issue on Human-interaction-aware Data Analytics for Cyber-physical Systems. <i>ACM Transactions on Cyber-Physical Systems</i> , 2019 , 3, 1-2	2.3	
561	Mobile web augmented reality in 5G and beyond: Challenges, opportunities, and future directions. <i>China Communications</i> , 2019 , 16, 141-154	3	20
560	Invited Paper: Edge and Fog Computing: Vision and Research Challenges 2019 ,		8
559	A Deviceless Edge Computing Approach for Streaming IoT Applications. <i>IEEE Internet Computing</i> , 2019 , 23, 37-45	2.4	18
558	Modelling and Analysing Resilient Cyber-Physical Systems 2019 ,		9
557	Edge Intelligence: The Convergence of Humans, Things, and AI 2019 ,		13
556	POET: Privacy on the Edge with Bidirectional Data Transformations 2019 ,		8
555	Inferring Analyzable Models from Trajectories of Spatially-Distributed Internet of Things 2019 ,		12

554	Osmosis: The Osmotic Computing Platform for Microelements in the Cloud, Edge, and Internet of Things. <i>Computer</i> , 2019 , 52, 14-26	1.6	25
553	Recommendations on the Internet of Things: Requirements, Challenges, and Directions. <i>IEEE Internet Computing</i> , 2019 , 23, 46-54	2.4	19
552	Creating a Resilient IoT With Edge Computing. <i>Computer</i> , 2019 , 52, 43-53	1.6	4
551	Dependable Resource Coordination on the Edge at Runtime. <i>Proceedings of the IEEE</i> , 2019 , 107, 1520-1526	1.3	7
550	Architectural Considerations for Privacy on the Edge. <i>IEEE Internet Computing</i> , 2019 , 23, 76-83	2.4	11
549	Service level agreement specification for end-to-end IoT application ecosystems. <i>Software - Practice and Experience</i> , 2019 , 49, 1689-1711	2.5	3
548	Internet of things search engine. <i>Communications of the ACM</i> , 2019 , 62, 66-73	2.5	11
547	A system for operating energy-aware cloudlets 2019 ,		1
546	Privacy in Human Computation: User Awareness Study, Implications for Existing Platforms, Recommendations, and Research Directions. <i>Lecture Notes in Social Networks</i> , 2019 , 247-267	0.6	
545	CPS/IoT Ecosystem: A Platform for Research and Education. <i>Lecture Notes in Computer Science</i> , 2019 , 206-213	0.9	6
544	Web AR: A Promising Future for Mobile Augmented Reality State of the Art, Challenges, and Insights. <i>Proceedings of the IEEE</i> , 2019 , 107, 651-666	14.3	73
543	SensymI: Simulation Environment for large-scale IoT Applications 2019 ,		1
542	Towards Resilient Internet of Things: Vision, Challenges, and Research Roadmap 2019 ,		11
541	Application of provenance in social computing: A case study. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e4894	1.4	13
540	Blockchain-Supported Smart City Platform for Social Value Co-Creation and Exchange. <i>IEEE Internet Computing</i> , 2019 , 23, 19-28	2.4	24
539	Osmotic computing as a distributed multi-agent system: The Body Area Network scenario. <i>Internet of Things (Netherlands)</i> , 2019 , 5, 130-139	6.9	14
538	WITS: an IoT-endowed computational framework for activity recognition in personalized smart homes. <i>Computing (Vienna/New York)</i> , 2018 , 100, 369-385	2.2	33
537	Blockchains for Business Process Management - Challenges and Opportunities. <i>ACM Transactions on Management Information Systems</i> , 2018 , 9, 1-16	2	246

536	SLA-Based Management of Human-Based Services in Business Processes for Socio-Technical Systems. <i>Lecture Notes in Business Information Processing</i> , 2018 , 361-373	0.6	1
535	. <i>IEEE Software</i> , 2018 , 35, 50-55	1.5	50
534	. <i>IEEE Cloud Computing</i> , 2018 , 5, 17-25		19
533	. <i>IEEE Internet Computing</i> , 2018 , 22, 5-15	2.4	63
532	Elastic systems: Towards cyber-physical ecosystems of people, processes, and things. <i>Computer Standards and Interfaces</i> , 2018 , 57, 76-82	3.5	17
531	A New Era for Web AR with Mobile Edge Computing. <i>IEEE Internet Computing</i> , 2018 , 22, 46-55	2.4	36
530	From the Cloud to Edge and IoT: a Smart Orchestration Architecture for Enabling Osmotic Computing 2018 ,		15
529	The Next Grand Challenges: Integrating the Internet of Things and Data Science. <i>IEEE Cloud Computing</i> , 2018 , 5, 12-26		46
528	Towards Deviceless Edge Computing: Challenges, Design Aspects, and Models for Serverless Paradigm at the Edge 2018 , 121-136		6
527	Nomadic Applications Traveling in the Fog. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 151-161	0.2	
526	Network Neutrality and Its Impact on Innovation. <i>IEEE Internet Computing</i> , 2018 , 22, 5-7	2.4	22
525	Portable Energy-Aware Cluster-Based Edge Computers 2018 ,		11
524	Mobile Edge Computing as a Booster for the Practical Provisioning Approach of Web-Based Augmented Reality 2018 ,		20
523	Microservices: Migration of a Mission Critical System. <i>IEEE Transactions on Services Computing</i> , 2018 , 1-1	4.8	12
522	User feedback in the app store 2018 ,		9
521	Latency-aware decentralized resource management for IoT applications 2018 ,		4
520	A Note on the Convergence of IoT, Edge, and Cloud Computing in Smart Cities. <i>IEEE Cloud Computing</i> , 2018 , 5, 22-24		13
519	Traffic Differentiation on Internet of Things 2018 ,		1

518	EMMA: Distributed QoS-Aware MQTT Middleware for Edge Computing Applications 2018 ,		27
517	. <i>IEEE Internet Computing</i> , 2018 , 22, 48-57	2.4	12
516	. <i>IEEE Internet Computing</i> , 2017 , 21, 78-84	2.4	13
515	. <i>IEEE Cloud Computing</i> , 2017 , 4, 68-75		30
514	Smart Cities 2017 ,		18
513	A service computing manifesto. <i>Communications of the ACM</i> , 2017 , 60, 64-72	2.5	131
512	. <i>IEEE Cloud Computing</i> , 2017 , 4, 92-99		15
511	Deviceless edge computing 2017 ,		37
510	Towards QoS-Aware Fog Service Placement 2017 ,		116
509	Ensuring Network Neutrality for Future Distributed Systems 2017 ,		5
508	. <i>IEEE Internet Computing</i> , 2017 , 21, 64-71	2.4	98
507	Analytics-as-a-service in a multi-cloud environment through semantically-enabled hierarchical data processing. <i>Software - Practice and Experience</i> , 2017 , 47, 1139-1156	2.5	12
506	Ahab: A cloud-based distributed big data analytics framework for the Internet of Things. <i>Software - Practice and Experience</i> , 2017 , 47, 443-454	2.5	15
505	Data and control points: A programming model for resource-constrained iot cloud edge devices 2017 ,		2
504	Provenance in Social Computing: A Case Study 2017 ,		1
503	CloudArmor: Supporting Reputation-Based Trust Management for Cloud Services. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2016 , 27, 367-380	3.7	98
502	rSYBL. <i>ACM Transactions on Internet Technology</i> , 2016 , 16, 1-20	3.8	7
501	. <i>IEEE Internet Computing</i> , 2016 , 20, 64-68	2.4	52

500	Asserting reliable convergence for configuration management scripts 2016 ,		8
499	Diameter of Things (DoT): A Protocol for Real-Time Telemetry of IoT Applications. <i>Lecture Notes in Computer Science</i> , 2016 , 207-222	0.9	
498	Smart cities Enabling services and applications. <i>Journal of Internet Services and Applications</i> , 2016 , 7,	2.6	22
497	On Monitoring Cyber-Physical-Social Systems 2016 ,		7
496	An Elasticity-Aware Governance Platform for Cloud Service Delivery 2016 ,		3
495	Continuous elasticity: Design and operation of elastic systems. <i>IT - Information Technology</i> , 2016 , 58,	0.4	1
494	Cost-Aware Scalability of Applications in Public Clouds 2016 ,		7
493	A Holistic, Interdisciplinary Decision Support System for Sustainable Smart City Design. <i>Lecture Notes in Computer Science</i> , 2016 , 1-10	0.9	8
492	Non-intrusive Monitoring of Stream Processing Applications 2016 ,		1
491	Optimization of Complex Elastic Processes. <i>IEEE Transactions on Services Computing</i> , 2016 , 9, 700-713	4.8	23
490	When things matter: A survey on data-centric internet of things. <i>Journal of Network and Computer Applications</i> , 2016 , 64, 137-153	7.9	201
489	Service Provisioning in Content-Centric Networking: Challenges, Opportunities, and Promising Directions. <i>IEEE Internet Computing</i> , 2016 , 20, 26-33	2.4	5
488	. <i>IEEE Internet Computing</i> , 2016 , 20, 58-65	2.4	43
487	Asserting reliable convergence for configuration management scripts. <i>ACM SIGPLAN Notices</i> , 2016 , 51, 328-343	0.2	10
486	On Energy Efficiency of BPM Enactment in the Cloud. <i>Lecture Notes in Business Information Processing</i> , 2016 , 489-500	0.6	0
485	On Controlling Elasticity of Cloud Applications in CELAR 2016 , 1937-1967		
484	Building Elastic Java Application Services Seamlessly in the Cloud 2016 , 709-732		
483	Crowdstore: A Crowdsourcing Graph Database. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 72-81	0.2	

482	A Framework for Model-Driven Execution of Collaboration Structures. <i>Lecture Notes in Computer Science</i> , 2016 , 18-32	0.9	1
481	Towards the Realization of Multi-dimensional Elasticity for Distributed Cloud Systems. <i>Procedia Computer Science</i> , 2016 , 97, 14-23	1.6	6
480	Elastic Stream Processing for the Internet of Things 2016 ,		17
479	. <i>IEEE Cloud Computing</i> , 2016 , 3, 76-83		212
478	2016 ,		18
477	A Novel Vision of Cyber-Human Smart City 2016 ,		9
476	. <i>IEEE Internet Computing</i> , 2016 , 20, 68-75	2.4	22
475	Migrating Smart City Applications to the Cloud. <i>IEEE Cloud Computing</i> , 2016 , 3, 72-79		25
474	MARSA. <i>ACM Transactions on Internet Technology</i> , 2016 , 16, 1-21	3.8	21
473	The Promise of Edge Computing. <i>Computer</i> , 2016 , 49, 78-81	1.6	559
472	IoT Design Patterns: Computational Constructs to Design, Build and Engineer Edge Applications 2016 ,		30
471	A Scalable Framework for Provisioning Large-Scale IoT Deployments. <i>ACM Transactions on Internet Technology</i> , 2016 , 16, 1-20	3.8	39
470	Optimizing Elastic IoT Application Deployments. <i>IEEE Transactions on Services Computing</i> , 2016 , 1-1	4.8	14
469	VISP: An Ecosystem for Elastic Data Stream Processing for the Internet of Things 2016 ,		14
468	On Engineering Analytics for Elastic IoT Cloud Platforms. <i>Lecture Notes in Computer Science</i> , 2016 , 267-281		2
467	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 276-290	7.3	66
466	. <i>IEEE Software</i> , 2015 , 32, 52-60	1.5	4
465	PRINGL A domain-specific language for incentive management in crowdsourcing. <i>Computer Networks</i> , 2015 , 90, 14-33	5.4	4

464	. <i>IEEE Internet Computing</i> , 2015 , 19, 60-67	2.4	43
463	LEONORE -- Large-Scale Provisioning of Resource-Constrained IoT Deployments 2015 ,		29
462	The Practice and Future of Release Engineering: A Roundtable with Three Release Engineers. <i>IEEE Software</i> , 2015 , 32, 42-49	1.5	20
461	. <i>IEEE Software</i> , 2015 , 32, 91-97	1.5	4
460	. <i>IEEE Internet Computing</i> , 2015 , 19, 6-8	2.4	10
459	. <i>IEEE Internet Computing</i> , 2015 , 19, 68-74	2.4	2
458	Programming Elasticity in the Cloud. <i>Computer</i> , 2015 , 48, 87-90	1.6	5
457	From Big Data to Big Service. <i>Computer</i> , 2015 , 48, 80-83	1.6	49
456	Transforming Vertical Web Applications into Elastic Cloud Applications 2015 ,		2
455	COLT Collaborative Delivery of Lightweight IoT Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 265-272	0.2	7
454	iCOMOT -- A Toolset for Managing IoT Cloud Systems 2015 ,		3
453	Nomads - Enabling Distributed Analytical Service Environments for the Smart City Domain 2015 ,		6
452	rtGovOps: A Runtime Framework for Governance in Large-Scale Software-Defined IoT Cloud Systems 2015 ,		11
451	DIANE - Dynamic IoT Application Deployment 2015 ,		21
450	. <i>IEEE Internet Computing</i> , 2015 , 19, 46-56	2.4	55
449	A Pattern-Based Formalization of Cloud-Based Elastic Systems 2015 ,		3
448	Evaluating Cloud Service Elasticity Behavior. <i>International Journal of Cooperative Information Systems</i> , 2015 , 24, 1541002	0.6	2
447	SDG-Pro: a programming framework for software-defined IoT cloud gateways. <i>Journal of Internet Services and Applications</i> , 2015 , 6,	2.6	16

446	. <i>IEEE Internet Computing</i> , 2015 , 19, 54-59	2.4	10
445	JCloudScale. <i>ACM Transactions on Internet Technology</i> , 2015 , 15, 1-20	3.8	7
444	An Economic Model for Utilizing Cloud Computing Resources via Pricing Elasticity of Demand and Supply. <i>Communications in Computer and Information Science</i> , 2015 , 47-62	0.3	
443	MELA: elasticity analytics for cloud services. <i>International Journal of Big Data Intelligence</i> , 2015 , 2, 45	0.8	8
442	. <i>IEEE Cloud Computing</i> , 2015 , 2, 68-76		103
441	Activating the Internet of Things [Guest editors Introduction]. <i>Computer</i> , 2015 , 48, 16-20	1.6	17
440	SmartSociety -- A Platform for Collaborative People-Machine Computation 2015 ,		11
439	SPEEDL - A Declarative Event-Based Language to Define the Scaling Behavior of Cloud Applications 2015 ,		4
438	Towards the Internet of Cities 2015 ,		16
437	Open Government Data as a Service (GoDaaS): Big Data Platform for Mobile App Developers 2015 ,		3
436	Analyzing Reliability in Hybrid Compute Units 2015 ,		1
435	Smart Fabric - An Infrastructure-Agnostic Artifact Topology Deployment Framework 2015 ,		6
434	Governing Elastic IoT Cloud Systems under Uncertainty 2015 ,		8
433	Cost-Efficient Scheduling of Elastic Processes in Hybrid Clouds 2015 ,		20
432	Trust-Aware Elastic Social Compute Units 2015 ,		4
431	On Developing and Operating of Data Elasticity Management Process. <i>Lecture Notes in Computer Science</i> , 2015 , 105-119	0.9	2
430	Supporting Cloud Service Operation Management for Elasticity. <i>Lecture Notes in Computer Science</i> , 2015 , 123-138	0.9	1
429	Gatica: Linked Sensed Data Enrichment and Analytics Middleware for IoT Gateways 2015 ,		5

428	On Controlling Elasticity of Cloud Applications in CELAR. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2015 , 222-252	0.4	1
427	Context-Aware Programming for Hybrid and Diversity-Aware Collective Adaptive Systems. <i>Lecture Notes in Business Information Processing</i> , 2015 , 145-157	0.6	4
426	Transforming Collaboration Structures into Deployable Informal Processes. <i>Lecture Notes in Computer Science</i> , 2015 , 231-250	0.9	1
425	Supporting Multilevel Incentive Mechanisms in Crowdsourcing Systems: An Artifact-Centric View. <i>Progress in IS</i> , 2015 , 91-111	0.9	1
424	Constructing Green Software Services: From Service Models to Cloud-Based Architecture 2015 , 83-104		1
423	GovOps: The Missing Link for Governance in Software-Defined IoT Cloud Systems. <i>Lecture Notes in Computer Science</i> , 2015 , 20-31	0.9	2
422	Virtualizing Communication for Hybrid and Diversity-Aware Collective Adaptive Systems. <i>Lecture Notes in Computer Science</i> , 2015 , 56-67	0.9	1
421	A Collaboration Model for Community-Based Software Development with Social Machines 2015 , 1, 150812		2
420	On modeling context-aware social collaboration processes. <i>Information Systems</i> , 2014 , 43, 66-82	2.7	12
419	CoMoT -- A Platform-as-a-Service for Elasticity in the Cloud 2014 ,		7
418	Principles of Software-Defined Elastic Systems for Big Data Analytics 2014 ,		9
417	MADCAT: A Methodology for Architecture and Deployment of Cloud Application Topologies 2014 ,		22
416	The effect of zinc-carbonate hydroxyapatite versus fluoride on enamel surfaces after interproximal reduction. <i>Scanning</i> , 2014 , 36, 356-61	1.6	9
415	Analysis of Web-Scale Cloud Services. <i>IEEE Internet Computing</i> , 2014 , 18, 55-61	2.4	27
414	Toward Collaborative Software Engineering Leveraging the Crowd 2014 , 159-182		5
413	Towards the formalization of properties of cloud-based elastic systems 2014 ,		20
412	Provisioning Software-Defined IoT Cloud Systems 2014 ,		81
411	Coordination-Aware Elasticity 2014 ,		4

410	Quality of Context: models and applications for context-aware systems in pervasive environments. <i>Knowledge Engineering Review</i> , 2014 , 29, 154-170	2.1	35
409	Mathematical Methods for Elastic Plates. <i>Springer Monographs in Mathematics</i> , 2014 ,	1.3	15
408	Toward Portable Cloud Manufacturing Services. <i>IEEE Internet Computing</i> , 2014 , 18, 77-80	2.4	15
407	Profiling-Based Task Scheduling for Factory-Worker Applications in Infrastructure-as-a-Service Clouds 2014 ,		2
406	Towards Process Support for Cloud Manufacturing 2014 ,		21
405	Entity-adaptation 2014 ,		4
404	CloudMan: A platform for portable cloud manufacturing services 2014 ,		7
403	Context-Aware Data Prefetching in Mobile Service Environments 2014 ,		3
402	A Collaboration Model for Community-Based Software Development with Social Machines 2014 ,		4
401	SALSA: A Framework for Dynamic Configuration of Cloud Services 2014 ,		14
400	On Analyzing Elasticity Relationships of Cloud Services 2014 ,		6
399	Generic event-based monitoring and adaptation methodology for heterogeneous distributed systems. <i>Software - Practice and Experience</i> , 2014 , 44, 805-822	2.5	15
398	Architecture-Centric Design of Complex Message-Based Service Systems. <i>Lecture Notes in Computer Science</i> , 2014 , 184-198	0.9	1
397	Specifying Flexible Human Behavior in Interaction-Intensive Process Environments. <i>Lecture Notes in Computer Science</i> , 2014 , 366-373	0.9	5
396	On Controlling Cloud Services Elasticity in Heterogeneous Clouds 2014 ,		7
395	On the Elasticity of Social Compute Units. <i>Lecture Notes in Computer Science</i> , 2014 , 364-378	0.9	3
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371	Multi-perspective Process Variability: A Case for Smart Green Buildings (Short Paper) 2013 ,		2
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369	Self-Adaptive Resource Allocation for Elastic Process Execution 2013 ,		26
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321	A monitoring data set for evaluating QoS-aware service-based systems 2012 ,		1

320	DEMOS: A Description Model for Data-as-a-Service 2012,		27
319	Automatic SLA Matching and Provider Selection in Grid and Cloud Computing Markets 2012,		24
318	Cost-Efficient and Application SLA-Aware Client Side Request Scheduling in an Infrastructure-as-a-Service Cloud 2012,		39
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256	Distributed continuous queries over Web service event streams 2011 ,		4
255	Managing social overlay networks in semantic open enterprise systems 2011 ,		2
254	Sharing and Privacy-Aware RBAC in Online Social Networks 2011 ,		4
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232	The Human-Provided Services Framework 2011 , 1-15		
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159	On analyzing and specifying concerns for data as a service 2009,		40

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156	Self-Adaptation Techniques for Complex Service-oriented Systems 2009 ,		5
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