

# LuÃ-s Veiga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6838307/publications.pdf>

Version: 2024-02-01

137  
papers

835  
citations

932766

10  
h-index

940134

16  
g-index

142  
all docs

142  
docs citations

142  
times ranked

647  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Towards an internet-scale overlay network for latency-aware decentralized workflows at the edge. <i>Computer Networks</i> , 2022, 203, 108654.                         | 3.2 | 7         |
| 2  | VeilGraph: incremental graph stream processing. <i>Journal of Big Data</i> , 2022, 9, .  | 6.9 | 5         |
| 3  | Smart Distributed DataSets for Stream Processing. <i>Lecture Notes in Computer Science</i> , 2021, , 249-265.  | 1.0 | 0         |
| 4  | An analysis of the graph processing landscape. <i>Journal of Big Data</i> , 2021, 8, 55.   | 6.9 | 11        |
| 5  | Pulsarcast: Scalable, Reliable Pub-Sub over P2P Nets. , 2021, , .  |     | 0         |
| 6  | Distributed and Decentralized Orchestration of Containers on Edge Clouds. <i>Journal of Grid Computing</i> , 2021, 19, 1.  | 2.5 | 10        |
| 7  | RATEE - Resource Auction Trading at Edge Environments. , 2021, , .   |     | 0         |
| 8  | Interoperable and network-aware service workflows for big data executions at internet scale. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5212. | 1.4 | 0         |
| 9  | Programming languages for data-intensive HPC applications: A systematic mapping study. <i>Parallel Computing</i> , 2020, 91, 102584.                                   | 1.3 | 19        |
| 10 | Latency-Sensitive Web Service Workflows: A Case for a Software-Defined Internet. , 2020, , .   |     | 0         |
| 11 | edgeTrans- Edge transport mode detection. <i>Pervasive and Mobile Computing</i> , 2020, 69, 101268.  | 2.1 | 8         |
| 12 | Palpatine: Mining Frequent Sequences for Data Prefetching in NoSQL Distributed Key-Value Stores. , 2020, , .   |     | 1         |
| 13 | GC-Wise: A Self-adaptive approach for memory-performance efficiency in Java VMs. <i>Future Generation Computer Systems</i> , 2019, 100, 674-688.                       | 4.9 | 3         |
| 14 | Oversubscribing micro-clouds with energy-aware containers scheduling. , 2019, , .  |     | 3         |
| 15 | Runtime Object Lifetime Profiler for Latency Sensitive Big Data Applications. , 2019, , .  |     | 18        |
| 16 | On-demand big data integration. <i>Distributed and Parallel Databases</i> , 2019, 37, 273-295.   | 1.0 | 10        |
| 17 | SD-CPS: software-defined cyber-physical systems. Taming the challenges of CPS with workflows at the edge. <i>Cluster Computing</i> , 2019, 22, 661-677.                | 3.5 | 10        |
| 18 | A Lightweight Service Placement Approach for Community Network Micro-Clouds. <i>Journal of Grid Computing</i> , 2019, 17, 169-189.                                     | 2.5 | 41        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive Execution of Continuous and Data-intensive Workflows with Machine Learning. , 2018, , .   |     | 4         |
| 20 | browsercloud.js. , 2018, , .   |     | 5         |
| 21 | EcoVMbroker. , 2018, , .   |     | 0         |
| 22 | Gelly-scheduling. , 2018, , .  |     | 9         |
| 23 | Moving Bits with a Fleet of Shared Virtual Routers. , 2018, , .  |     | 2         |
| 24 | Composing network service chains at the edge: A Resilient and adaptive software-defined approach. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3489. | 2.6 | 5         |
| 25 | Software-defined data services: Interoperable and network-aware big data executions. , 2018, , .   |     | 1         |
| 26 | SD-CPS: Taming the challenges of Cyber-Physical Systems with a Software-Defined approach. , 2017, , .  |     | 16        |
| 27 | Client-side routing-agnostic gateway selection for heterogeneous Wireless Mesh Networks. , 2017, , .   |     | 11        |
| 28 | SDN middlebox architecture for resilient transfers. , 2017, , .  |     | 3         |
| 29 | Practical Service Placement Approach for Microservices Architecture. , 2017, , .   |     | 25        |
| 30 | Community sharing of spare network capacity. , 2017, , .   |     | 1         |
| 31 | SmartGC: Online Memory Management Prediction for PaaS Cloud Models. Lecture Notes in Computer Science, 2017, , 370-388.  | 1.0 | 0         |
| 32 | Design trade-offs of crowdsourced web access in community networks. , 2017, , .  |     | 0         |
| 33 | A Taxonomy of Adaptive Resource Management Mechanisms in Virtual Machines: Recent Progress and Challenges. Computer Communications and Networks, 2017, , 59-98.              | 0.8 | 3         |
| 34 | On-Demand Service-Based Big Data Integration: Optimized for Research Collaboration. Lecture Notes in Computer Science, 2017, , 9-28.   | 1.0 | 1         |
| 35 | Selective Redundancy in Network-as-a-Service: Differentiated QoS in Multi-tenant Clouds. Lecture Notes in Computer Science, 2017, , 87-97.                                   | 1.0 | 0         |
| 36 | FairCloud: Truthful Cloud Scheduling with Continuous and Combinatorial Auctions. Lecture Notes in Computer Science, 2017, , 68-85.   | 1.0 | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Locality-Aware GC Optimisations for Big Data Workloads. Lecture Notes in Computer Science, 2017, , 50-67.  | 1.0 | 1         |
| 38 | Cloud-Supported Certification for Energy-Efficient Web Browsing and Services. Computer Communications and Networks, 2017, , 345-378.                       | 0.8 | 0         |
| 39 | Empowering Stream Processing through Edge Clouds. SIGMOD Record, 2017, 46, 23-28.  | 0.7 | 3         |
| 40 | Performance evaluation of a distributed storage service in community network clouds. Concurrency Computation Practice and Experience, 2016, 28, 3131-3148. | 1.4 | 5         |
| 41 | Task based load balancing for cloud aware massively Multiplayer Online Games. , 2016, , .  |     | 1         |
| 42 | Bandwidth-Aware Service Placement in Community Network Micro-Clouds. , 2016, , .   |     | 6         |
| 43 | A FIRM approach for software-defined service composition. , 2016, , .  |     | 2         |
| 44 | Building Blocks of Mayan: Componentizing the eScience Workflows through Software-Defined Service Composition. , 2016, , .                                  |     | 5         |
| 45 | ViTeNA: An SDN-based virtual network embedding algorithm for multi-tenant data centers. , 2016, , .  |     | 3         |
| 46 | ARTA: An economic middleware to exchange pervasive energy and computing resources. , 2016, , .   |     | 1         |
| 47 | CHIEF: Controller Farm for Clouds of Software-Defined Community Networks. , 2016, , .  |     | 7         |
| 48 | Energy Efficient Cloud Service Provisioning: Keeping Data Center Granularity in Perspective. Journal of Grid Computing, 2016, 14, 299-325.                 | 2.5 | 15        |
| 49 | Towards Network-Aware Service Placement in Community Network Micro-Clouds. Lecture Notes in Computer Science, 2016, , 376-388.                             | 1.0 | 6         |
| 50 | Software-Defined Simulations for Continuous Development of Cloud and Data Center Networks. Lecture Notes in Computer Science, 2016, , 3-23.                | 1.0 | 3         |
| 51 | SENDIM for Incremental Development of Cloud Networks: Simulation, Emulation and Deployment Integration Middleware. , 2016, , .                             |     | 5         |
| 52 | WaaS: Workflow-as-a-Service for the Cloud with Scheduling of Continuous and Data-Intensive Workflows. Computer Journal, 2016, 59, 371-383.                 | 1.5 | 17        |
| 53 | Partial Utility-Driven Scheduling for Flexible SLA and Pricing Arbitration in Clouds. IEEE Transactions on Cloud Computing, 2016, 4, 467-480.              | 3.1 | 24        |
| 54 | Asynchronous Complete Garbage Collection for Graph Data Stores. , 2015, , .  |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Envisioning cloud of energy. , 2015, , .   |     | 3         |
| 56 | Cassowary. , 2015, , .   |     | 13        |
| 57 | Message from the CSE 2015 Program Chairs. , 2015, , .  |     | 0         |
| 58 | Integration of an Assisted P2P Live Streaming Service in Community Network Clouds. , 2015, , .   |     | 9         |
| 59 | An adaptive semantics-aware replacement algorithm for web caching. Journal of Internet Services and Applications, 2015, 6, .   | 1.6 | 13        |
| 60 | Incremental dataflow execution, resource efficiency and probabilistic guarantees with Fuzzy Boolean nets. Journal of Parallel and Distributed Computing, 2015, 79-80, 52-66. | 2.7 | 5         |
| 61 | An Expressive Simulator for Dynamic Network Flows. , 2015, , .   |     | 5         |
| 62 | TROBADOR: Service Discovery for Distributed Community Network Micro-Clouds. , 2015, , .  |     | 5         |
| 63 | <i>C<sup>3</sup>P</i> : A Re-Configurable Framework to Design Cycle-sharing Computing Cloud Platforms. Computer Journal, 2015, 58, 3217-3241.                                | 1.5 | 0         |
| 64 | \$\$partial upartial u\$\$ Multi-Tenanted Framework: Distributed Near Duplicate Detection for Big Data. Lecture Notes in Computer Science, 2015, , 237-256.                  | 1.0 | 3         |
| 65 | Interest Aware Consistency for Cooperative Editing in Heterogeneous Environments. International Journal of Cooperative Information Systems, 2014, 23, 1440002.               | 0.6 | 1         |
| 66 | Economic crisis and the image of Portugal as a tourist destination: the hospitality perspective. Worldwide Hospitality and Tourism Themes, 2014, 6, 475-479.                 | 0.8 | 2         |
| 67 | An Adaptive Distributed Simulator for Cloud and MapReduce Algorithms and Architectures. , 2014, , .  |     | 16        |
| 68 | Concurrent and Distributed CloudSim Simulations. , 2014, , .   |     | 14        |
| 69 | Rubah. , 2014, , .   |     | 24        |
| 70 | Combing Smart Grid with community clouds: Next generation integrated service platform. , 2014, , .   |     | 9         |
| 71 | Energy Efficiency Dilemma: P2P-cloud vs. Datacenter. , 2014, , .   |     | 14        |
| 72 | On-Demand Resource Allocation Middleware for Massively Multiplayer Online Games. , 2014, , .   |     | 8         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Rubah. ACM SIGPLAN Notices, 2014, 49, 103-119.   | 0.2 | 2         |
| 74 | Planning and Scheduling Data Processing Workflows in the Cloud with Quality-of-Data Constraints. Lecture Notes in Computer Science, 2014, , 324-338. | 1.0 | 0         |
| 75 | A2Cloud. Advances in Wireless Technologies and Telecommunication Book Series, 2014, , 231-261.   | 0.3 | 0         |
| 76 | Fluř: a quality-driven dataflow model for data intensive computing. Journal of Internet Services and Applications, 2013, 4, 12.                      | 1.6 | 4         |
| 77 | A Comparative Look at Adaptive Memory Management in Virtual Machines. , 2013, , .  |     | 3         |
| 78 | Resource-Aware Scaling of Multi-threaded Java Applications in Multi-tenancy Scenarios. , 2013, , .   |     | 2         |
| 79 | Internet-scale support for map-reduce processing. Journal of Internet Services and Applications, 2013, 4, 18.  | 1.6 | 17        |
| 80 | Clouds of small things: Provisioning infrastructure-as-a-service from within community networks. , 2013, , .   |     | 22        |
| 81 | Adaptive semantics-aware management for web caches and wikis. , 2013, , .  |     | 0         |
| 82 | A progress and profile-driven cloud-VM for resource-efficiency and fairness in e-science environments. , 2013, , .                                   |     | 2         |
| 83 | A decentralized utility-based grid scheduling algorithm. , 2013, , .   |     | 4         |
| 84 | Flexible SLAs in the Cloud with a Partial Utility-Driven Scheduling Architecture. , 2013, , .  |     | 15        |
| 85 | Quality-of-data for consistency levels in geo-replicated cloud data stores. , 2013, , .  |     | 10        |
| 86 | Ditto “ Deterministic Execution Replayability-as-a-Service for Java VM on Multiprocessors. Lecture Notes in Computer Science, 2013, , 405-424.       | 1.0 | 3         |
| 87 | Adaptive Consistency and Awareness Support for Distributed Software Development. Lecture Notes in Computer Science, 2013, , 259-266.                 | 1.0 | 0         |
| 88 | VMR. , 2012, , .   |     | 3         |
| 89 | A classification of middleware to support virtual machines adaptability in IaaS. , 2012, , .   |     | 3         |
| 90 | Adaptive consistency for replicated state in real-time-strategy multiplayer games. , 2012, , .   |     | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | VM Economics for Java Cloud Computing: An Adaptive and Resource-Aware Java Runtime with Quality-of-Execution. , 2012, , .   |     | 7         |
| 92  | Quality-of-Service for Consistency of Data Geo-replication in Cloud Computing. Lecture Notes in Computer Science, 2012, , 285-297.  | 1.0 | 11        |
| 93  | The path to openness: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 243-244.   | 1.6 | 0         |
| 94  | Jano: location-privacy enforcement in mobile and pervasive environments through declarative policies. Journal of Internet Services and Applications, 2012, 3, 291-310.                                      | 1.6 | 3         |
| 95  | Large-scale volunteer computing over the Internet. Journal of Internet Services and Applications, 2012, 3, 329-346.   | 1.6 | 10        |
| 96  | A virtual stone soup: letter from the editors. Journal of Internet Services and Applications, 2012, 3, 141-142.   | 1.6 | 0         |
| 97  | A checkpointing-enabled and resource-aware Java Virtual Machine for efficient and robust e-Science applications in grid environments. Concurrency Computation Practice and Experience, 2012, 24, 1421-1442. | 1.4 | 10        |
| 98  | Hash challenges: Stretching the limits of compare-by-hash in distributed data deduplication. Information Processing Letters, 2012, 112, 380-385.  | 0.4 | 10        |
| 99  | Enhancing Online Communities with Cycle-Sharing for Social Networks. , 2012, , 161-195.   |     | 3         |
| 100 | Trans-Social Networks for Distributed Processing. Lecture Notes in Computer Science, 2012, , 82-96.   | 1.0 | 1         |
| 101 | BOINC-MR: MapReduce in a Volunteer Environment. Lecture Notes in Computer Science, 2012, , 425-432.   | 1.0 | 3         |
| 102 | QoE-JVM: An Adaptive and Resource-Aware Java Runtime for Cloud Computing. Lecture Notes in Computer Science, 2012, , 566-583.   | 1.0 | 9         |
| 103 | Semantic and Locality Aware Consistency for Mobile Cooperative Editing. Lecture Notes in Computer Science, 2012, , 380-397.   | 1.0 | 1         |
| 104 | A2HA-automatic and adaptive host allocation in utility computing for bag-of-tasks. Journal of Internet Services and Applications, 2011, 2, 171-185.   | 1.6 | 10        |
| 105 | vfcBOX. , 2011, , .   |     | 2         |
| 106 | Peer4Peer: e-Science Community for Network Overlay and Grid Computing Research. Computer Communications and Networks, 2011, , 81-113.   | 0.8 | 0         |
| 107 | A 2-VM: A Cooperative Java VM with Support for Resource-Awareness and Cluster-Wide Thread Scheduling. Lecture Notes in Computer Science, 2011, , 302-320.   | 1.0 | 6         |
| 108 | Gridlet Economics: Resource Management Models and Policies for Cycle-Sharing Systems. Lecture Notes in Computer Science, 2011, , 72-83.   | 1.0 | 3         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Transparent Adaptation of e-Science Applications for Parallel and Cycle-Sharing Infrastructures. Lecture Notes in Computer Science, 2011, , 292-300.                     | 1.0 | 2         |
| 110 | GridP2P: Resource usage in Grids and Peer-to-Peer systems. , 2010, , .   |     | 0         |
| 111 | Unifying divergence bounding and locality awareness in replicated systems with vector-field consistency. Journal of Internet Services and Applications, 2010, 1, 95-115. | 1.6 | 15        |
| 112 | An extensible framework for middleware design based on concurrent event-based AOP. , 2010, , .   |     | 0         |
| 113 | Incentive mechanisms in peer-to-peer networks. , 2010, , .   |     | 6         |
| 114 | CRM-OO-VM. , 2010, , .   |     | 1         |
| 115 | (O3)2. , 2010, , .   |     | 0         |
| 116 | Service and resource discovery in cycle-sharing environments with a utility algebra. , 2010, , .   |     | 12        |
| 117 | Jano. , 2010, , .  |     | 1         |
| 118 | Data-aware connectivity in mobile replicated systems. , 2009, , .  |     | 1         |
| 119 | nuBOINC: BOINC Extensions for Community Cycle Sharing. , 2008, , .   |     | 11        |
| 120 | Heuristic for resources allocation on utility computing infrastructures. , 2008, , .   |     | 43        |
| 121 | SPADE. , 2008, , .   |     | 6         |
| 122 | Transparent Mobile Middleware Integration for Java and .NET Development Environments. Lecture Notes in Computer Science, 2008, , 47-57.                                  | 1.0 | 0         |
| 123 | GiGi: An Ocean of Gridlets on a "Grid-for-the-Masses". , 2007, , .   |     | 11        |
| 124 | OSMOSIS - Semantic Work-Spaces for Smart Environments. , 2007, , .   |     | 0         |
| 125 | Object-Swapping for Resource-Constrained Devices. , 2007, , .  |     | 1         |
| 126 | Complete distributed garbage collection using DGC-consistent cuts and .NET AOP-support. IET Software, 2007, 1, 263.  | 1.5 | 1         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Vector-Field Consistency for Ad-Hoc Gaming. Lecture Notes in Computer Science, 2007, , 80-100.  | 1.0 | 9         |
| 128 | Context Awareness: An Experiment with Hoarding. Lecture Notes in Computer Science, 2006, , 971-980.                                     | 1.0 | 2         |
| 129 | Semantic-Chunks a middleware for ubiquitous cooperative work. , 2005, , .   |     | 3         |
| 130 | Transaction policies for mobile networks. , 2004, , .   |     | 6         |
| 131 | PoliPer. , 2004, , .  |     | 8         |
| 132 | Complete distributed garbage collection: an experience with Rotor. IET Software, 2003, 150, 283.  | 1.0 | 2         |
| 133 | OBIWAN: design and implementation of a middleware platform. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 1086-1099. | 4.0 | 10        |
| 134 | Distributed object invocation in OBIWAN. , 2000, , .  |     | 1         |
| 135 | Loosely-coupled, mobile replication of objects with transactions. , 0, , .  |     | 3         |
| 136 | Asynchronous Complete Distributed Garbage Collection. , 0, , .  |     | 8         |
| 137 | RFID and NFC in the Future of Mobile Computing. , 0, , 719-737.   |     | 2         |