

Renato J Figueiredo

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,107
citations

840119

11
h-index

676716

22
g-index

114
all docs

114
docs citations

114
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	SEnD: A Social Network Friendship Enhanced Decentralized System to Circumvent Censorships. IEEE Transactions on Services Computing, 2022, 15, 346-360.	3.2	1
2	Advancing lake and reservoir water quality management with near-term, iterative ecological forecasting. Inland Waters, 2022, 12, 107-120.	1.1	35
3	Demo: Software-defined Virtual Networking Across Multiple Edge and Cloud Providers with EdgeVPN.io. , 2021, , .		0
4	Edge-to-cloud Virtualized Cyberinfrastructure for Near Real-time Water Quality Forecasting in Lakes and Reservoirs. , 2021, , .		4
5	Intelligent Live Video Streaming for Object Detection. , 2021, , .		0
6	On the Design and Implementation of IP-over-P2P Overlay Virtual Private Networks. IEICE Transactions on Communications, 2020, E103.B, 2-10.	0.4	7
7	A Near-Term Iterative Forecasting System Successfully Predicts Reservoir Hydrodynamics and Partitions Uncertainty in Real Time. Water Resources Research, 2020, 56, e2019WR026138.	1.7	31
8	Ecosystem-scale nutrient cycling responses to increasing air temperatures vary with lake trophic state. Ecological Modelling, 2020, 430, 109134.	1.2	33
9	Demo: EdgeVPN.io: Open-source Virtual Private Network for Seamless Edge Computing with Kubernetes. , 2020, , .		12
10	Enhancing collaboration between ecologists and computer scientists: lessons learned and recommendations forward. Ecosphere, 2019, 10, e02753.	1.0	17
11	SocialEdge: Enabling Trusted Data Processing Workflow in Smart Communities. , 2019, , .		0
12	SAND: Social-aware, network-failure resilient, and decentralized microblogging system. Future Generation Computer Systems, 2019, 93, 637-650.	4.9	4
13	Wide-Scale Internet Disconnection: Impact and Recovery on Social-Based P2P Overlays. IEEE Transactions on Network Science and Engineering, 2019, 6, 734-747.	4.1	2
14	PerSoNet: Software-Defined Overlay Virtual Networks Spanning Personal Devices Across Social Network Users. , 2018, , .		1
15	Towards Island Networks: SDN-Enabled Virtual Private Networks with Peer-to-Peer Overlay Links for Edge Computing. Lecture Notes in Computer Science, 2018, , 122-133.	1.0	2
16	PRAGMA-ENT: An International SDN testbed for cyberinfrastructure in the Pacific Rim. Concurrency Computation Practice and Experience, 2017, 29, e4138.	1.4	8
17	PARES: Packet Rewriting on SDN-Enabled Edge Switches for Network Virtualization in Multi-Tenant Cloud Data Centers. , 2017, , .		3
18	GRAPLER: A distributed collaborative environment for lake ecosystem modeling that integrates overlay networks, high-throughput computing, and WEB services. Concurrency Computation Practice and Experience, 2017, 29, e4139.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Frugal: Building Degree-Constrained Overlay Topology from Social Graphs. , 2017, , .		6
20	On the Performance and Cost of Cloud-Assisted Multi-path Bulk Data Transfer. , 2017, , .		0
21	Self-configuring Software-defined Overlay Bypass for Seamless Inter- and Intra-cloud Virtual Networking. , 2016, , .		7
22	The dispatch time aligning I/O scheduling for parallel file systems. Cluster Computing, 2015, 18, 1025-1039.	3.5	2
23	Impact of country-scale Internet disconnection on structured and social P2P overlays. , 2015, , .		3
24	MALMOS: Machine Learning-Based Mobile Offloading Scheduler with Online Training. , 2015, , .		33
25	Kangaroo: A Tenant-Centric Software-Defined Cloud Infrastructure. , 2015, , .		15
26	Emergency Response using Ephemeral Social Communities across Online Social Networks. EAI Endorsed Transactions on Collaborative Computing, 2015, 1, 150805.	0.2	4
27	Strengthening the Resiliency of a Coastal Transportation System through Integrated Simulation of Storm Surge, Inundation, and Nonrecurrent Congestion in Northeast Florida. Journal of Marine Science and Engineering, 2014, 2, 287-305.	1.2	3
28	Thoughts on the State of Cloud over the Next Five Years. IEEE Cloud Computing, 2014, 1, 26-40.	5.3	0
29	Location-based Timely Cooperation over Social Private Network. , 2014, , .		5
30	TinCan: User-Defined P2P Virtual Network Overlays for Ad-hoc Collaboration. EAI Endorsed Transactions on Collaborative Computing, 2014, 1, e4.	0.2	9
31	MatchTree: Flexible, scalable, and fault-tolerant wide-area resource discovery with distributed matchmaking and aggregation. Future Generation Computer Systems, 2013, 29, 1596-1610.	4.9	8
32	Experiences with self-organizing, decentralized grids using the grid appliance. Cluster Computing, 2013, 16, 265-283.	3.5	1
33	A Computational- and Storage-Cloud for Integration of Biodiversity Collections. , 2013, , .		14
34	On the design and implementation of a simulator for parallel file system research. , 2013, , .		4
35	OpenCL-Based Remote Offloading Framework for Trusted Mobile Cloud Computing. , 2013, , .		12
36	A multidimensional heuristic for social routing in peer-to-peer networks. , 2013, , .		2

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37	Machine Learning-Based Runtime Scheduler for Mobile Offloading Framework. , 2013, , .		32
38	A peer-to-peer microblogging service based on IP multicast and social virtual private networking. , 2013, , .		0
39	Enabling decentralised microblogging through P2PVPNs. International Journal of Security and Networks, 2013, 8, 169.	0.1	4
40	PonD. , 2012, , .		2
41	SNARF. , 2012, , .		6
42	On the use of virtualization technologies to support uninterrupted IT services: A case study with lessons learned from the Great East Japan Earthquake. , 2012, , .		5
43	SMTPS Introduction. , 2012, , .		0
44	FutureGrid education. , 2012, , .		0
45	vPFS: Bandwidth virtualization of parallel storage systems. , 2012, , .		16
46	CloudBay: Enabling an Online Resource Market Place for Open Clouds. , 2012, , .		12
47	The Coastal Science Educational Virtual Appliance (CSEVA). , 2012, , .		0
48	TMT: A TLB Tag Management Framework for Virtualized Platforms. International Journal of Parallel Programming, 2012, 40, 353-380.	1.1	2
49	A Regional Testbed for Storm Surge and Coastal Inundation Models – An Overview. , 2012, , .		8
50	On the Performance of Tagged Translation Lookaside Buffers: A Simulation-Driven Analysis. , 2011, , .		4
51	Parallel Processing Framework on a P2P System Using Map and Reduce Primitives. , 2011, , .		8
52	SOLARE: Self-Organizing Latency-Aware Resource Ensemble. , 2011, , .		1
53	Experiences with self-organizing, decentralized grids using the grid appliance. , 2011, , .		3
54	Litter: A Lightweight Peer-to-Peer Microblogging Service. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
55	Educational virtual clusters for on-demand MPI/Hadoop/Condor in FutureGrid. , 2011, , .		1
56	On the design of autonomic, decentralized VPNs. , 2010, , .		3
57	SocialVPN: Enabling wide-area collaboration with integrated social and overlay networks. Computer Networks, 2010, 54, 1926-1938.	3.2	32
58	Techniques for low-latency proxy selection in wide-area P2P networks. , 2010, , .		1
59	Model development, testing and experimentation in a CyberWorkstation for Brain-Machine Interface research. , 2010, 2010, 4339-42.		2
60	Advancing Educational Capacity: Using the SCOOP Educational Virtual Appliance. , 2010, , .		1
61	GatorShare. , 2010, , .		7
62	Virtualization-based bandwidth management for parallel storage systems. , 2010, , .		0
63	Towards energy-efficient reactive thermal management in instrumented datacenters. , 2010, , .		14
64	Design of the FutureGrid experiment management framework. , 2010, , .		42
65	A Simulation Framework for the Analysis of the TLB Behavior in Virtualized Environments. , 2010, , .		5
66	Towards Collaborative Research and Education in Computer Architecture with the Archer System. , 2010, , .		0
67	OverSoc: Social Profile Based Overlays. , 2010, , .		3
68	Grid Appliance — On the design of self-organizing, decentralized grids. , 2010, , .		1
69	Cyber-Workstation for Computational Neuroscience. Frontiers in Neuroengineering, 2010, 2, 17.	4.8	6
70	Towards a uniform self-configuring virtual private network for workstations and clusters in grid computing. , 2009, , .		2
71	On the design of scalable, self-configuring virtual networks. , 2009, , .		12
72	Improving peer connectivity in wide-area overlays of virtual workstations. Cluster Computing, 2009, 12, 239-256.	3.5	2

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73	TMT - A TLB Tag Management Framework for Virtualized Platforms. , 2009, , .		4
74	Archer: A Community Distributed Computing Infrastructure for Computer Architecture Research and Education. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 70-84.	0.2	6
75	Integrating Overlay and Social Networks for Seamless P2P Networking. , 2008, , .		18
76	On the Use of Social Networking Groups for Automatic Configuration of Virtual Grid Environments. , 2008, , .		4
77	BMI cyberworkstation: Enabling dynamic data-driven brain-machine interface research through cyberinfrastructure. , 2008, 2008, 646-9.		5
78	Provisioning of virtual environments for wide area desktop grids through redirect-on-write distributed file system. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	1
79	Simplifying resource sharing in voluntary grid computing with the grid appliance. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	7
80	Facilitating the deployment of ad-hoc virtual organizations with integrated social and overlay networks. , 2008, , .		0
81	Improving peer connectivity in wide-area overlays of virtual workstations. , 2008, , .		6
82	Middleware Integration and Deployment Strategies for Cyberinfrastructures. , 2008, , 187-198.		2
83	A user-level secure grid file system. , 2007, , .		4
84	Decentralized Dynamic Host Configuration in Wide-Area Overlays of Virtual Workstations. , 2007, , .		7
85	Adaptive Predictor Integration for System Performance Prediction. , 2007, , .		11
86	I/O processing in a virtualized platform. , 2007, , .		20
87	Architecture and Performance of a Grid-Enabled Lookup-Based Biomedical Optimization Application: Light Scattering Spectroscopy. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 170-178.	3.6	2
88	System-level performance phase characterization for on-demand resource provisioning. , 2007, , .		7
89	Application Resource Demand Phase Analysis and Prediction in Support of Dynamic Resource Provisioning. , 2007, , .		13
90	Design of high-yield defect-tolerant self-assembled nanoscale memories. , 2007, , .		2

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91	Experimental study of virtual machine migration in support of reservation of cluster resources. , 2007, , .		91
92	Science gateways made easy: the In-VIGO approach. Concurrency Computation Practice and Experience, 2007, 19, 905-919.	1.4	6
93	WOW: Self-organizing Wide Area Overlay Networks of Virtual Workstations. Journal of Grid Computing, 2007, 5, 151-172.	2.5	18
94	Learning-aided predictor integration for system performance prediction. Cluster Computing, 2007, 10, 425-442.	3.5	4
95	Towards Real-Time Distributed Signal Modeling for Brain-Machine Interfaces. Lecture Notes in Computer Science, 2007, , 964-971.	1.0	8
96	ROW-FS: A User-Level Virtualized Redirect-on-Write Distributed File System for Wide Area Applications. , 2007, , 21-34.		3
97	Hierarchical fault tolerance for nanoscale memories. IEEE Nanotechnology Magazine, 2006, 5, 407-414.	1.1	27
98	On the Design of Virtual Machine Sandboxes for Distributed Computing in Wide-area Overlays of Virtual Workstations. , 2006, , .		27
99	Simulation of Storm Surge Using Grid Computing. , 2006, , 357.		3
100	Distributed File System Virtualization Techniques Supporting On-Demand Virtual Machine Environments for Grid Computing. Cluster Computing, 2006, 9, 45-56.	3.5	23
101	From virtualized resources to virtual computing grids: the In-VIGO system. Future Generation Computer Systems, 2005, 21, 896-909.	4.9	148
102	On the Use of Virtualization and Service Technologies to Enable Grid-Computing. Lecture Notes in Computer Science, 2005, , 1-12.	1.0	4
103	Seamless Access to Decentralized Storage Services in Computational Grids via a Virtual File System. Cluster Computing, 2004, 7, 113-122.	3.5	6
104	"Grid"-based Particle Tracking in Florida Bay. , 2004, , .		2
105	Grid-computing portals and security issues. Journal of Parallel and Distributed Computing, 2003, 63, 1006-1014.	2.7	32
106	A network-computing infrastructure for tool experimentation applied to computer architecture education. , 2000, , .		2
107	Punch: web portal for running tools. IEEE Micro, 2000, 20, 38-47.	1.8	35
108	A Pipeline for Deep Learning with Specimen Images in iDigBio - Applying and Generalizing an Examination of Mercury Use in Preparing Herbarium Specimens. Biodiversity Information Science and Standards, 0, 2, e25699.	0.0	3

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109	A Pipeline for Processing Specimen Images in iDigBio - Applying and Generalizing an Examination of Mercury Use in Preparing Herbarium Specimens. Biodiversity Information Science and Standards, 0, 1, e20326.	0.0	0