Paul Grace

List of Publications by Year
in descending order

72 papers	1,322 citations	623734 14 h-index	477307 29 g-index
73 all docs	73 docs citations	73 times ranked	855 citing authors

#	ARTICLE	IF	CITATIONS
1	A generic component model for building systems software. ACM Transactions on Computer Systems, 2008, 26, 1-42.	0.8	205
2	ReMMoC: A Reflective Middleware to Support Mobile Client Interoperability. Lecture Notes in Computer Science, 2003, , 1170-1187.	1.3	76
3	A reflective framework for discovery and interaction in heterogeneous mobile environments. Mobile Computing and Communications Review, 2005, 9, 2-14.	1.7	75
4	Exploiting reflection in mobile computing middleware. Mobile Computing and Communications Review, 2002, 6, 34-44.	1.7	64
5	Reflection, self-awareness and self-healing in OpenORB. , 2002, , .		58
6	Genie. , 2008, , .		46
7	Flexible Self-Management Using the Model-View-Controller Pattern. IEEE Software, 2008, 25, 84-90.	1.8	43
8	Experiences with open overlays. , 2008, , .		39
9	The role of models@run.time in supporting on-the-fly interoperability. Computing (Vienna/New York), 2013, 95, 167-190.	4.8	39
10	GRIDKIT: Pluggable Overlay Networks for Grid Computing. Lecture Notes in Computer Science, 2004, , 1463-1481.	1.3	37
11	An experiment with reflective middleware to support grid€based flood monitoring. Concurrency Computation Practice and Experience, 2008, 20, 1303-1316.	2.2	34
12	Dynamic reconfiguration in sensor middleware. , 2006, , .		33
13	CONNECT Challenges: Towards Emergent Connectors for Eternal Networked Systems. , 2009, , .		30
14	The Role of Ontologies in Emergent Middleware: Supporting Interoperability in Complex Distributed Systems. Lecture Notes in Computer Science, 2011, , 410-430.	1.3	29
15	Starlink: Runtime Interoperability between Heterogeneous Middleware Protocols. , 2011, , .		28
16	Research directions in reflective middleware. , 2004, , .		25
17	An Adaptive Middleware to Overcome Service Discovery Heterogeneity in Mobile Ad Hoc Environments. IEEE Distributed Systems Online, 2007, 8, 1-1.	0.5	22
18	A distributed architecture meta-model for self-managed middleware. , 2006, , .		21

#	Article	IF	Citations
19	Emergent Middleware: Tackling the Interoperability Problem. IEEE Internet Computing, 2012, 16, 78-82.	3.3	21
20	Model-driven interoperability: engineering heterogeneous IoT systems. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 141-150.	2.5	21
21	Experimentation as a Service Over Semantically Interoperable Internet of Things Testbeds. IEEE Access, 2018, 6, 51607-51625.	4.2	21
22	Interoperability in Complex Distributed Systems. Lecture Notes in Computer Science, 2011, , 1-26.	1.3	18
23	A multi-protocol framework for ad-hoc service discovery. , 2006, , .		15
24	Visualizing the Analysis of Dynamically Adaptive Systems Using i* and DSLs. , 2007, , .		15
25	Pseudonymization risk analysis in distributed systems. Journal of Internet Services and Applications, 2019, 10, .	2.1	15
26	Deep Middleware for the Divergent Grid. Lecture Notes in Computer Science, 2005, , 334-353.	1.3	15
27	A component-based middleware framework for configurable and reconfigurable Grid computing. Concurrency Computation Practice and Experience, 2006, 18, 865-874.	2.2	14
28	Taming the interoperability challenges of complex IoT systems. , 2014, , .		14
29	Middleware awareness in mobile computing. , 0, , .		13
30	MANETKit: Supporting the Dynamic Deployment and Reconfiguration of Ad-Hoc Routing Protocols. Lecture Notes in Computer Science, 2009, , 1-20.	1.3	13
31	Juno. ACM Transactions on Internet Technology, 2012, 12, 1-28.	4.4	13
32	A Reference Architecture for federating IoT infrastructures supporting semantic interoperability. , 2017, , .		13
33	Towards a component-based middleware framework for configurable and reconfigurable grid computing. , 0, , .		12
34	A component-based approach for (Re)-configurable routing in VANETs. , 2009, , .		12
35	Towards a base ontology for privacy protection in service-oriented architecture. , 2009, , .		12
36	SeDiM. ACM Transactions on Autonomous and Adaptive Systems, 2011, 6, 1-8.	0.8	12

#	Article	IF	Citations
37	Bridging the Interoperability Gap: Overcoming Combined Application and Middleware Heterogeneity. Lecture Notes in Computer Science, 2011, , 390-409.	1.3	11
38	An evaluation of potential attack surfaces based on attack tree modelling and risk matrix applied to self-sovereign identity. Computers and Security, 2022, 120, 102808.	6.0	10
39	The survival of the fittest. , 2008, , .		9
40	Juno: An adaptive delivery-centric middleware. , 2012, , .		9
41	Towards a Model of User-centered Privacy Preservation. , 2017, , .		9
42	The Gridkit Distributed Resource Management Framework. Lecture Notes in Computer Science, 2005, , 786-795.	1.3	9
43	A Reflective Framework for Fine-Grained Adaptation of Aspect-Oriented Compositions. , 2008, , 215-230.		8
44	Towards an Architecture for Runtime Interoperability. Lecture Notes in Computer Science, 2010, , 206-220.	1.3	8
45	The case for aspect-oriented reflective middleware. , 2007, , .		7
46	Experiences with open overlays. Operating Systems Review (ACM), 2008, 42, 123-136.	1.9	6
47	The Role of Ontologies in Enabling Dynamic Interoperability. Lecture Notes in Computer Science, 2011, , 179-193.	1.3	6
48	Using grid technologies to optimise a wireless sensor network for flood management. , 2006, , .		5
49	Dynamic deployment and reconfiguration of ad-hoc routing protocols. Journal of Internet Services and Applications, 2010, 1, 135-152.	2.1	5
50	Dynamic Adaptation. , 2009, , 285-302.		5
51	Addressing network heterogeneity in pervasive application environments. , 2006, , .		4
52	Past and future of reflective middleware. , 2008, , .		4
53	The CONNECT Architecture. Lecture Notes in Computer Science, 2011, , 27-52.	1.3	4
54	Transaction Service Discovery in Mobile Environments. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
55	Interfacing remote transaction services using UPnP. Journal of Computer and System Sciences, 2008, 74, 158-169.	1.2	3
56	A semantic composition model to preserve (re) configuration consistency in aspect oriented middleware. , 2009, , .		3
57	Towards an Interoperability Certification Method for Semantic Federated Experimental IoT Testbeds. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 103-113.	0.3	3
58	OverStar: An Open Approach to End-to-End Middleware Services in Systems of Systems. Lecture Notes in Computer Science, 2012, , 229-248.	1.3	3
59	Engineering Complex Adaptations in Highly Heterogeneous Distributed Systems. , 2008, , .		3
60	Identifying Privacy Risks in Distributed Data Services: A Model-Driven Approach. , 2018, , .		2
61	Overlay-Based Middleware for the Pervasive Grid. , 2012, , 566-588.		2
62	AO-OpenCom. , 2014, , .		2
63	FlexPar: Reconfigurable Middleware for Parallel Environments. , 2008, , .		1
64	EXPLOITING A GENERIC APPROACH TO CONSTRUCT COMPONENT-BASED SYSTEMS SOFTWARE IN LINUX ENVIRONMENTS. International Journal of Software Engineering and Knowledge Engineering, 2010, 20, 843-873.	0.8	1
65	A Reflective Middleware to Support Peer-to-Peer Overlay Adaptation. Lecture Notes in Computer Science, 2009, , 30-43.	1.3	1
66	On the performance of reflective systems software. , 0, , .		1
67	Towards protecting consumer's privacy in Service-Oriented Architecture. , 2009, , .		0
68	Exploiting safe parallelism in Wireless Sensor Networks: A generic and reconfigurable approach. , 2012, , .		0
69	ICoMP: A Mobile Portal Model Based on Reflective Middleware and Mobile Agents. Lecture Notes in Computer Science, 2004, , 88-97.	1.3	0
70	Reflective Middleware. , 2006, , 339-362.		0
71	Overlay-Based Middleware for the Pervasive Grid. , 2010, , 981-1002.		0
72	A Consistency Framework for Dynamic Reconfiguration in AO-Middleware Architectures. Lecture Notes in Computer Science, 2014, , 398-405.	1.3	0