Chengzheng Sun

List of Publications by Year
in descending order

52 papers	1,658 citations	1040056 9 h-index	752698 20 g-index
52 all docs	52 docs citations	52 times ranked	338 citing authors

#	Article	IF	Citations
1	Design and Implementation of a Concurrency Benchmark Tool for Cloud Storage Systems. , 2019, , .		2
2	Reflections on collaborative editing research: From academic curiosity to real-world application. , 2017, , .		2
3	Balancing Conflict Prevention and Concurrent Work in Real-Time Collaborative Programming. , 2017, , .		3
4	A Novel DAL Scheme With Shared-Locking for Semantic Conflict Prevention in Unconstrained Real-Time Collaborative Programming. IEEE Access, 2017, 5, 22566-22583.	4.2	7
5	Shared-locking for semantic conflict prevention in real-time collaborative programming. , 2017, , .		5
6	CoVim: Incorporating real-time collaboration capabilities into comprehensive text editors. , 2017, , .		3
7	Conditions and Patterns for Achieving Convergence in OT-Based Co-Editors. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 695-709.	5.6	18
8	Dependency-based automatic locking for semantic conflict prevention in real-time collaborative programming. , 2012, , .		15
9	Supporting semantic conflict prevention in real-time collaborative programming environments. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2012, 12, 39-52.	0.9	6
10	Diversification of Web Search Results through Social Interest Mining. , 2012, , .		1
11	Achieving integrated consistency maintenance and awareness in real-time collaborative programming environments: The CoEclipse approach. , 2012, , .		15
12	Achieving Data Consistency by Contextualization in Web-Based Collaborative Applications. ACM Transactions on Internet Technology, 2011, 10, 1-37.	4.4	13
13	Collaborative design: Improving efficiency by concurrent execution of Boolean tasks. Expert Systems With Applications, 2011, 38, 1089-1098.	7.6	10
14	Operational transformation: Research and application. , 2010, , .		0
15	Inspiring Innovative Design Integration by Collaborative Exploration of Boolean Operations. IEEE Transactions on Industrial Informatics, 2010, 6, 243-250.	11.3	6
16	Integration of the dynamic, mutual evaluating and role-based iterated revision belief into collaborative conceptual modeling. , 2009, , .		0
17	Context-Based Operational Transformation in Distributed Collaborative Editing Systems. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1454-1470.	5.6	77
18	Agile semantic conflict detection in real-time collaborative systems. , 2009, , .		2

#	Article	IF	Citations
19	Leveraging single-user AutoCAD for collaboration by transparent adaptation. , 2009, , .		6
20	Virtual Wealth Realization in Virtual and Real Worlds. , 2009, , .		5
21	Semantic enhanced rule driven workflow execution in Collaborative Virtual Enterprise. , 2008, , .		3
22	Distributed Constraints Maintenance in Collaborative UML Modeling Environments. , 2008, , .		0
23	Maintaining constraints expressed as formulas in collaborative systems. , 2007, , .		3
24	Leveraging Single-user OpenOffice Writer for Collaboration by Transparent Adaptation. , 2007, , .		0
25	Searching for Service-Oriented Strategies of Dynamic Composition of Web Services: A Comparative Perspective. , 2007, , .		4
26	API design recommendations for facilitating conversion of single-user applications into collaborative applications. , 2007, , .		3
27	A Top-Down Methodology for Building Semantic-Rich Service-Oriented Collaborative Virtual Enterprise (CVE). , 2007, , .		1
28	Conflict Resolution of Boolean Operations by Integration in Real-Time Collaborative CAD Systems. , 2007, , 238-252.		5
29	Transparent adaptation of single-user applications for multi-user real-time collaboration. ACM Transactions on Computer-Human Interaction, 2006, 13, 531-582.	5.7	153
30	Multi-way Dataflow Constraint Propagation in Real-time Collaborative Systems. , 2006, , .		2
31	A Generic WebDAV-Based Document Repository Manager for Collaborative Systems. , 2006, , .		2
32	Real-Time Collaborative Software Modeling Using UML with Rational Software Architect. , 2006, , .		6
33	A Collaborative Table Editing Technique Based on Transparent Adaptation. Lecture Notes in Computer Science, 2005, , 576-592.	1.3	5
34	Improving real-time collaboration with highlighting. Future Generation Computer Systems, 2004, 20, 605-625.	7.5	6
35	Comparison of Real-Time Text Chat and Collaborative Editing Systems. Lecture Notes in Computer Science, 2004, , 196-204.	1.3	1
36	Consistency maintenance in real-time collaborative graphics editing systems. ACM Transactions on Computer-Human Interaction, 2002, 9, 1-41.	5.7	171

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37	Undo as concurrent inverse in group editors. ACM Transactions on Computer-Human Interaction, 2002, 9, 309-361.	5.7	84
38	Optional and responsive fine-grain locking in Internet-based collaborative systems. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 994-1008.	5.6	51
39	Collaborative Highlighting for Real-Time Group Editors. Lecture Notes in Computer Science, 2002, , 39-50.	1.3	2
40	Undoing any operation in collaborative graphics editing systems. , 2001, , .		19
41	Handling side-effects and cuts with selective recomputation in parallel Prolog. Future Generation Computer Systems, 2000, 17, 227-245.	7.5	0
42	Undo any operation at any time in group editors. , 2000, , .		41
43	Real time cooperative editing on the Internet. IEEE Internet Computing, 2000, 4, 18-25.	3.3	42
44	Optimal locking integrated with operational transformation in distributed real-time group editors. , 1999, , .		25
45	A distributed algorithm for graphic objects replication in real-time group editors. , 1999, , .		28
46	Optional and responsive locking in collaborative graphics editing systems. ACM SIGGROUP Bulletin, 1999, 20, 17-20.	0.4	2
47	Operational transformation in real-time group editors. , 1998, , .		346
48	Achieving convergence, causality preservation, and intention preservation in real-time cooperative editing systems. ACM Transactions on Computer-Human Interaction, 1998, 5, 63-108.	5.7	447
49	Selective recomputation for handling side-effects in parallel logic programs. Lecture Notes in Computer Science, 1997, , 275-289.	1.3	1
50	Reduction of Code Space in Parallel Logic Programming Systems. Lecture Notes in Computer Science, 1991, , 876-892.	1.3	2
51	Syntax-based Reconciliation for Asynchronous Collaborative Writing. , 0, , .		3
52	Maintaining Multi-way Dataflow Constraints in Collaborative Systems. , 0, , .		4