

Jian Cao

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.

103
papers

668
citations

14
h-index

20
g-index

155
ext. papers

886
ext. citations

2.6
avg, IF

4.27
L-index

#	Paper	IF	Citations
103	Learning a Hierarchical Intent Model for Next-Item Recommendation. <i>ACM Transactions on Information Systems</i> , 2022 , 40, 1-28	4.8	
102	BMTP: Combining Backward Matching with Tree-Based Pruning for Large-Scale Content-Based Pub/Sub Systems. <i>Lecture Notes in Computer Science</i> , 2022 , 152-166	0.9	
101	Interval-Based Remaining Time Prediction for Business Processes. <i>Lecture Notes in Computer Science</i> , 2021 , 34-48	0.9	1
100	Blockchain-Enhanced Fair Task Scheduling for Cloud-Fog-Edge Coordination Environments: Model and Algorithm. <i>Security and Communication Networks</i> , 2021 , 2021, 1-18	1.9	1
99	MO-Tree: An Efficient Forwarding Engine for Spatiotemporal-Aware Pub/Sub Systems. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 855-866	3.7	4
98	Blockchain-based trust management in cloud computing systems: a taxonomy, review and future directions. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2021 , 10,	3.2	9
97	Online cloud resource prediction via scalable window waveform sampling on classified workloads. <i>Future Generation Computer Systems</i> , 2021 , 117, 338-358	7.5	4
96	Leveraging pointwise prediction with learning to rank for top-N recommendation. <i>World Wide Web</i> , 2021 , 24, 375-396	2.9	2
95	CBPCS. <i>ACM Transactions on the Web</i> , 2021 , 15, 1-29	3.2	
94	Fat Topic: Improving Latency in Content-Based Publish/Subscribe Systems on Apache Kafka. <i>Lecture Notes in Computer Science</i> , 2021 , 547-558	0.9	
93	CSBR: A Compositional Semantics-based Service Bundle Recommendation Approach for Mashup Development. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4.8	0
92	Detecting Taxi Trajectory Anomaly Based on Spatio-Temporal Relations. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	2
91	Planning Above the API Clouds Before Flying Above the Clouds: A Real-Time Personalized Air Travel Planning Approach. <i>International Journal of Parallel Programming</i> , 2020 , 48, 137-156	1.5	1
90	Entity resolution for media metadata based on structural clustering. <i>Multimedia Tools and Applications</i> , 2020 , 79, 219-242	2.5	
89	Leveraging Kernel-Incorporated Matrix Factorization for App Recommendation. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2019 , 13, 1-27	4	8
88	STL: Online Detection of Taxi Trajectory Anomaly Based on Spatial-Temporal Laws. <i>Lecture Notes in Computer Science</i> , 2019 , 764-779	0.9	5
87	A Trust-Based Agent Learning Model for Service Composition in Mobile Cloud Computing Environments. <i>IEEE Access</i> , 2019 , 7, 34207-34226	3.5	20

86	PhSIH 2019 ,			6
85	Addressing the Cold-Start Problem in Personalized Flight Ticket Recommendation. <i>IEEE Access</i> , 2019 , 7, 67178-67189	3.5		0
84	Evolving Coauthorship Modeling and Prediction via Time-Aware Paired Choice Analysis. <i>IEEE Access</i> , 2019 , 7, 98639-98651	3.5		1
83	CPL: A Combined Framework of Pointwise Prediction and Learning to Rank for top-N Recommendations with Implicit Feedback. <i>Lecture Notes in Computer Science</i> , 2019 , 259-273	0.9		2
82	An Unsupervised Incremental Virtual Learning Method for Financial Fraud Detection 2019 ,			2
81	Merging user social network into the random walk model for better group recommendation. <i>Applied Intelligence</i> , 2019 , 49, 2046-2058	4.9		13
80	Decentralized executions of privacy awareness data analytics workflows in the cloud. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e5063	1.4		1
79	. <i>IEEE Transactions on Services Computing</i> , 2018 , 1-1	4.8		2
78	FastPM: An approach to pattern matching via distributed stream processing. <i>Information Sciences</i> , 2018 , 453, 263-280	7.7		6
77	A Web Services Composition Discovery Approach Based on Service Data Network 2018 ,			2
76	Resource Scheduling for Real-Time Analytical Workflow Services in the Cloud. <i>IEEE Access</i> , 2018 , 6, 57910-57922	3.5		2
75	PFS: A Personalized Flight Recommendation Service via Cross-Domain Triadic Factorization 2018 ,			3
74	Truthful incentive mechanisms for mobile crowd sensing with dynamic smartphones. <i>Computer Networks</i> , 2018 , 141, 1-16	5.4		12
73	MPGA: an evolutionary state assignment for dynamic and leakage power reduction in FSM synthesis. <i>IET Computers and Digital Techniques</i> , 2018 , 12, 111-120	0.9		5
72	A collaborative filtering recommendation method based on discrete quantum-inspired shuffled frog leaping algorithms in social networks. <i>Future Generation Computer Systems</i> , 2018 , 88, 262-270	7.5		15
71	Improving group recommendations via detecting comprehensive correlative information. <i>Multimedia Tools and Applications</i> , 2017 , 76, 1355-1377	2.5		14
70	Distributed shortest path query processing on dynamic road networks. <i>VLDB Journal</i> , 2017 , 26, 399-419	3.9		26
69	ACER: An adaptive context-aware ensemble regression model for airfare price prediction 2017 ,			4

68	GTRM: A Top-N Recommendation Model for Smartphone Applications 2017 ,		3
67	A Reliable and Efficient Distributed Service Composition Approach in Pervasive Environments. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 1231-1245	4.6	9
66	Personalized flight recommendations via paired choice modeling 2017 ,		6
65	OTPS: A decision support service for optimal airfare Ticket Purchase 2017 ,		4
64	Service Package Recommendation for Mashup Creation via Mashup Textual Description Mining 2016 ,		14
63	An Optimal Engine Component Placement Strategy for Cloud Workflow Service 2016 ,		5
62	Group Recommendations Based on Comprehensive Latent Relationship Discovery 2016 ,		5
61	Mining Service Social Relations Based on Service Network Modeling and Analyzing 2015 ,		1
60	Dynamic cloud service selection using an adaptive learning mechanism in multi-cloud computing. <i>Journal of Systems and Software</i> , 2015 , 100, 195-210	3.3	48
59	Mining streams of short text for analysis of world-wide event evolutions. <i>World Wide Web</i> , 2015 , 18, 1201-1217	2.9	13
58	Probabilistic Matrix Factorization Based on Similarity Propagation and Trust Propagation for Recommendation 2015 ,		2
57	A Prediction Based Capacity Planning Strategy for Virtual Servers 2015 ,		1
56	Temporal-Aware QoS-Based Service Recommendation using Tensor Decomposition. <i>International Journal of Web Services Research</i> , 2015 , 12, 62-74	0.8	6
55	H-Tree: An Efficient Index Structure for Event Matching in Content-Based Publish/Subscribe Systems. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015 , 26, 1622-1632	3.7	14
54	Mining change operations for workflow platform as a service. <i>World Wide Web</i> , 2015 , 18, 1071-1092	2.9	6
53	Behavioral anomaly detection approach based on log monitoring 2015 ,		1
52	SCRAM 2015 ,		25
51	REIN: A fast event matching approach for content-based publish/subscribe systems 2014 ,		17

50	Kernel-based reinforcement learning for traffic signal control with adaptive feature selection 2014 ,		8
49	A Similarity Network Based Behavior Anomaly Detection Model for Computer Systems 2014 ,		1
48	CPU load prediction for cloud environment based on a dynamic ensemble model. <i>Software - Practice and Experience</i> , 2014 , 44, 793-804	2.5	23
47	Prediction-Based Optimization of Live Virtual Machine Migration. <i>Lecture Notes in Computer Science</i> , 2014 , 347-356	0.9	1
46	A pattern fusion model for multi-step-ahead CPU load prediction. <i>Journal of Systems and Software</i> , 2013 , 86, 1257-1266	3.3	14
45	A Social-Aware Service Recommendation Approach for Mashup Creation 2013 ,		49
44	A distributed algorithm for agent coalition formation with complex tasks 2013 ,		1
43	A Dynamic Resource Management Strategy for Cloud Based on Sequential Decision Model and Demand Forecast 2013 ,		1
42	A service process optimization method based on model refinement. <i>Journal of Supercomputing</i> , 2013 , 63, 72-88	2.5	3
41	A Social-Aware Service Recommendation Approach for Mashup Creation. <i>International Journal of Web Services Research</i> , 2013 , 10, 53-72	0.8	9
40	A module-level three-stage approach to the evolutionary design of sequential logic circuits. <i>Genetic Programming and Evolvable Machines</i> , 2013 , 14, 191-219	2	4
39	An event view specification approach for Supporting Service process collaboration. <i>Concurrency Computation Practice and Experience</i> , 2013 , 25, 1943-1966	1.4	0
38	A Multi-step-ahead CPU Load Prediction Approach in Distributed System 2012 ,		8
37	Using module-level Evolvable Hardware approach in design of sequential logic circuits 2012 ,		1
36	A distributed multi-agent simulation platform 2012 ,		1
35	A Multi-agent Learning Model for Service Composition 2012 ,		4
34	Genetic programming using dynamic population variation for computational efforts reduction in system modeling. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2012 , 17, 190-196	0.6	
33	Book Recommendation Based on Joint Multi-relational Model 2012 ,		1

32	A Runtime Goal Conflict Resolution Model for Agent Systems 2012,		1
31	A Distributed Algorithm for Web Service Composition Based on Service Agent Model. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2011 , 22, 2008-2021	3.7	29
30	Long-Term CPU Load Prediction 2011,		7
29	A Distributed Application Component Placement Approach for Cloud Computing Environment 2011,		2
28	Private Cloud System Based on BOINC with Support for Parallel and Distributed Simulation 2011,		3
27	OWPA: An Ontology-Based Approach to Adaptable Workflow Participant Assignment. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 1572-1579	0.6	
26	A dynamically self-configurable service process engine. <i>World Wide Web</i> , 2010 , 13, 475-495	2.9	2
25	An integrated time management model for distributed workflow management systems in Grid environments. <i>Concurrency Computation Practice and Experience</i> , 2009 , 21, 2084-2098	1.4	2
24	A policy-based authorization model for workflow-enabled dynamic process management. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 412-422	7.9	14
23	A Distributed Agent Coalition Algorithm for Web Service Composition 2009,		4
22	Fusing Received Signal Strength from Multiple Access Points for WLAN User Location Estimation 2008,		15
21	A Semantic Model and Query Mechanism for Service Workflow 2008,		1
20	An Agent-Based Web Service Workflow Model 2008,		1
19	Method of using BDI agents to implement service-oriented workflow mapping in AGWMS. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2008 , 23, 171-195	1	1
18	CNP-based Implementation of Service-oriented Workflow Mapping in SHGWMS. <i>World Wide Web</i> , 2008 , 11, 199-226	2.9	2
17	A QoS aware service composition protocol in mobile ad hoc networks. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2008 , 13, 226-232	0.6	
16	Probability-based clustering and its application to WLAN location estimation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2008 , 13, 547-552	0.6	2
15	Using genetic algorithm to implement cost-driven web service selection. <i>Multiagent and Grid Systems</i> , 2007 , 3, 9-17	0.5	11

14	Goal-Driven Semantic Description and Query for Grid Workflow 2007 ,			3
13	ShanghaiGrid: an Information Service Grid. <i>Concurrency Computation Practice and Experience</i> , 2006 , 18, 111-135	1.4		19
12	A Novel Indoor Localization Method Based on Received Signal Strength using Discrete Fourier Transform 2006 ,			5
11	Portlet-based Portal Design for Grid Systems 2006 ,			1
10	An interactive service customization model. <i>Information and Software Technology</i> , 2006 , 48, 280-296	3.4		31
9	Interactive Web service choice-making based on extended QoS model. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 483-492	2.1		10
8	Cost-Driven Web Service Selection Using Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2005 , 906-915	0.9		10
7	ShanghaiGrid as an information service grid: an overview 2005 ,			1
6	Planning Enhanced Grid Workflow Management System Based on Agent. <i>Lecture Notes in Computer Science</i> , 2005 , 440-451	0.9		1
5	A case study of an inter-enterprise workflow-supported supply chain management system. <i>Operational Research</i> , 2002 , 2, 17-34	1.6		1
4	AN INTEGRATED MULTI-AGENT CSCW SYSTEM FOR CONCURRENT PRODUCT DEVELOPMENT. <i>International Journal of Information Technology and Decision Making</i> , 2002 , 01, 423-440	2.8		2
3	Supporting collaborative work with process management enhanced corporate portal			1
2	A process component model for enterprise business knowledge reuse			1
1	Lap: A latency-aware parallelism framework for content-based publish/subscribe systems. <i>Concurrency Computation Practice and Experience</i> , e6640	1.4		1