Chunmei Liu

List of Publications by Year
in descending order

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89	1,899	304743 22	276875 41
papers	citations	h-index	g-index

89	89	89	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Dynamic Evolution Method for Autonomous Vehicle Groups in a Highway Scene. IEEE Internet of Things Journal, 2022, 9, 1445-1457.	8.7	14
2	Measuring Similarity for Data-Aware Business Processes. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1070-1082.	5.2	19
3	A Fluid Mechanics-Based Model to Estimate VINET Capacity in an Urban Scene. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8606-8614.	8.0	2
4	Cost-aware job scheduling for cloud instances using deep reinforcement learning. Cluster Computing, 2022, 25, 619-631.	5.0	44
5	Deep Adversarial Imitation Reinforcement Learning for QoS-Aware Cloud Job Scheduling. IEEE Systems Journal, 2022, 16, 4232-4242.	4.6	29
6	What Factors Affect the Performance of Software after Migration: A Case Study on Sunway TaihuLight Supercomputer. IEICE Transactions on Information and Systems, 2022, E105.D, 26-30.	0.7	0
7	Energy-aware systems for real-time job scheduling in cloud data centers: A deep reinforcement learning approach. Computers and Electrical Engineering, 2022, 99, 107688.	4.8	26
8	Cost-aware real-time job scheduling for hybrid cloud using deep reinforcement learning. Neural Computing and Applications, 2022, 34, 18579-18593.	5.6	14
9	Discovery and Quality Evaluation of Software Component Behavioral Models. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1538-1549.	5.2	8
10	Privacy-Preserving Behavioral Correctness Verification of Cross-Organizational Workflow With Task Synchronization Patterns. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1037-1048.	5.2	29
11	Sampling business process event logs using graphâ€based ranking model. Concurrency Computation Practice and Experience, 2021, 33, e5974.	2.2	15
12	Two Effective Strategies to Support Cross-Organization Emergency Resource Allocation Optimization. Mobile Information Systems, 2021, 2021, 1-15.	0.6	2
13	A General Framework to Detect Design Patterns by Combining Static and Dynamic Analysis Techniques. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 21-54.	0.8	4
14	Difficulty-Based SPOC Video Clustering Using Video-Watching Data. IEICE Transactions on Information and Systems, 2021, E104.D, 430-440.	0.7	3
15	A Medical Image Fusion Method Based on SIFT and Deep Convolutional Neural Network in the SIST Domain. Journal of Healthcare Engineering, 2021, 2021, 1-8.	1.9	4
16	A Dynamic Evolution Mechanism for IoV Community in an Urban Scene. IEEE Internet of Things Journal, 2021, 8, 7521-7530.	8.7	16
17	The Fusion of Multi-Focus Images Based on the Complex Shearlet Features-Motivated Generative Adversarial Network. Journal of Advanced Transportation, 2021, 2021, 1-10.	1.7	2
18	CDetector: Extracting Textual Features of Financial Social Media to Detect Cyber Attacks. , 2021, , .		3

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19	An improved Wolf pack algorithm for optimization problems: Design and evaluation. PLoS ONE, 2021, 16, e0254239.	2.5	14
20	Mining Emergency Event Logs to Support Resource Allocation. IEICE Transactions on Information and Systems, 2021, E104.D, 1651-1660.	0.7	0
21	Process-extraction-based text similarity measure for emergency response plans. Expert Systems With Applications, 2021, 183, 115301.	7.6	5
22	Quantitative Evaluation of Software Component Behavior Discovery Approach. IEICE Transactions on Information and Systems, 2021, E104.D, 117-120.	0.7	2
23	Remaining time prediction for business processes with concurrency based on log representation. China Communications, 2021, 18, 76-91.	3.2	2
24	Process Mining for Wind Turbine Maintenance Process Analysis: A Case Study. , 2021, , .		3
25	Overlapping Community Change-Point Detection in an Evolving Network. IEEE Transactions on Big Data, 2020, 6, 189-200.	6.1	38
26	Refinement-Based Hierarchical Modeling and Correctness Verification of Cross-Organization Collaborative Emergency Response Processes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2845-2859.	9.3	27
27	A Fluid Mechanics-Based Data Flow Model to Estimate VANET Capacity. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2603-2614.	8.0	44
28	Resource Conflict Checking and Resolution Controller Design for Cross-Organization Emergency Response Processes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3685-3700.	9.3	26
29	Comments and Corrections to â€œProcess Mining to Discover Shoppersâ€™ Pathways at a Fashion Retail Store Using a WiFi-Base Indoor Positioning Systemâ€•[Oct 17 1786-1792]. IEEE Transactions on Automation Science and Engineering, 2020, 17, 548-548.	5.2	0
30	Location Prediction Model Based on the Internet of Vehicles for Assistance to Medical Vehicles. IEEE Access, 2020, 8, 10754-10767.	4.2	6
31	PFPMine: A parallel approach for discovering interacting data entities in data-intensive cloud workflows. Future Generation Computer Systems, 2020, 113, 474-487.	7.5	3
32	Mining Component-Based Software Behavioral Models Using Dynamic Analysis. IEEE Access, 2020, 8, 68883-68894.	4.2	14
33	Flow Chart Generation-Based Source Code Similarity Detection Using Process Mining. Scientific Programming, 2020, 2020, 1-15.	0.7	3
34	Flowchart-Based Cross-Language Source Code Similarity Detection. Scientific Programming, 2020, 2020, 1-15.	0.7	2
35	Cross-Organization Emergency Response Process Mining: An Approach Based on Petri Nets. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	3
36	Web Service Instant Recommendation for Sustainable Service Mashup. Sustainability, 2020, 12, 8563.	3.2	0

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37	A Connectivity-Prediction-Based Dynamic Clustering Model for VANET in an Urban Scene. IEEE Internet of Things Journal, 2020, 7, 8410-8418.	8.7	71
38	Accessibility Analysis and Modeling for IoV in an Urban Scene. IEEE Transactions on Vehicular Technology, 2020, 69, 4246-4256.	6.3	85
39	MOOC Video Personalized Classification Based on Cluster Analysis and Process Mining. Sustainability, 2020, 12, 3066.	3.2	4
40	An Image Denoising Method Based on BM4D and GAN in 3D Shearlet Domain. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	7
41	Petri Net Based Data-Flow Error Detection and Correction Strategy for Business Processes. IEEE Access, 2020, 8, 43265-43276.	4.2	20
42	Text Quality Analysis of Emergency Response Plans. IEEE Access, 2020, 8, 9441-9456.	4.2	8
43	A WOA-Based Optimization Approach for Task Scheduling in Cloud Computing Systems. IEEE Systems Journal, 2020, 14, 3117-3128.	4.6	140
44	Task Preemption Based on Petri Nets. IEEE Access, 2020, 8, 11512-11519.	4.2	1
45	A Novel Approach for Business Process Similarity Measure Based on Role Relation Network Mining. IEEE Access, 2020, 8, 60918-60928.	4.2	3
46	Top-Down Process Mining From Multi-Source Running Logs Based on Refinement of Petri Nets. IEEE Access, 2020, 8, 61355-61369.	4.2	13
47	$$ LogRank^+ $$: A Novel Approach to Support Business Process Event Log Sampling. Lecture Notes in Computer Science, 2020, , 417-430.	1.3	0
48	Hierarchical Business Process Discovery: Identifying Sub-processes Using Lifecycle Information. , 2020, , .		5
49	Student Performance Prediction Based on Behavior Process Similarity. Chinese Journal of Electronics, 2020, 29, 1110-1118.	1.5	4
50	Research on the Prediction-Based Clustering Method in the Community of Medical Vehicles for Connected Health. IEEE Access, 2019, 7, 71884-71896.	4.2	8
51	Detecting Behavioral Design Patterns from Software Execution Data. Communications in Computer and Information Science, 2019, , 137-164.	0.5	0
52	Learning Process Models in IoT Edge. , 2019, , .		2
53	A Comprehensive Process Similarity Measure Based on Models and Logs. IEEE Access, 2019, 7, 69257-69273.	4.2	12
54	Composition Context-Based Web Services Similarity Measure. IEEE Access, 2019, 7, 65195-65206.	4.2	6

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55	Towards Comprehensive Support for Business Process Behavior Similarity Measure. IEICE Transactions on Information and Systems, 2019, E102.D, 588-597.	0.7	11
56	A Semantic User Distance Metric Using GPS Trajectory Data. IEEE Access, 2019, 7, 30185-30196.	4.2	6
57	A Novel Method for Detecting New Overlapping Community in Complex Evolving Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1832-1844.	9.3	61
58	Towards Comprehensive Support for Privacy Preservation Cross-Organization Business Process Mining. IEEE Transactions on Services Computing, 2019, 12, 639-653.	4.6	66
59	A General Framework to Identify Software Components from Execution Data. , 2019, , .		9
60	Connectivity Modeling and Analysis for Internet of Vehicles in Urban Road Scene. IEEE Access, 2018, 6, 2692-2702.	4.2	25
61	A Package Reduction Approach To Modeling and Analysis of Cross-Organization Emergency Response Processes With Privacy Protected. IEEE Access, 2018, 6, 55573-55585.	4.2	15
62	Process similarity computing by combining model structure and log behavior. , 2018, , .		0
63	Multi-View and Multi-Language Description Generation for Cross-Department Medical Diagnosis Processes. IEEE Access, 2018, 6, 76741-76753.	4.2	3
64	Automatic Extraction of Emergency Response Process Models From Chinese Plans. IEEE Access, 2018, 6, 74104-74119.	4.2	8
65	Automatic Discovery of Behavioral Models From Software Execution Data. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1897-1908.	5.2	22
66	Component interface identification and behavioral model discovery from software execution data. , 2018, , .		7
67	A general framework to detect behavioral design patterns. , 2018, , .		7
68	User behavior discovery from lowâ€level software execution log. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1624-1632.	1.4	10
69	LogRank: An Approach to Sample Business Process Event Log for Efficient Discovery. Lecture Notes in Computer Science, 2018, , 415-425.	1.3	13
70	A Two-Layered Framework for the Discovery of Software Behavior: A Case Study. IEICE Transactions on Information and Systems, 2018, E101.D, 2005-2014.	0.7	16
71	A Framework to Support Behavioral Design Pattern Detection from Software Execution Data. , 2018, , .		7
72	Data Service Hyperlink and Its Application in Automatic Data Service Composition. International Journal of Grid and Distributed Computing, 2017, 10, 37-50.	0.8	1

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73	Petri Net Based Modeling and Correctness Verification of Collaborative Emergency Response Processes. Cybernetics and Information Technologies, 2016, 16, 122-136.	1.1	17
74	Component behavior discovery from software execution data. , 2016, , .		6
75	Time Performance Optimization and Resource Conflicts Resolution for Multiple Project Management. IEICE Transactions on Information and Systems, 2016, E99.D, 650-660.	0.7	22
76	Resource conflict detection and removal strategy for nondeterministic emergency response processes using Petri nets. Enterprise Information Systems, 2016, 10, 729-750.	4.7	37
77	Modeling and analysis of subway fire emergency response: An empirical study. Safety Science, 2016, 84, 171-180.	4.9	44
78	A situation assessment method for rock burst based on multi-agent information fusion. Computers and Electrical Engineering, 2015, 45, 22-32.	4.8	9
79	Routing in Internet of Vehicles: A Review. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2339-2352.	8.0	318
80	E-Net Modeling and Analysis of Emergency Response Processes Constrained by Resources and Uncertain Durations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 84-96.	9.3	68
81	Modeling and Verification for Cross-Department Collaborative Business Processes Using Extended Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 349-362.	9.3	56
82	A Unified Storage and Query Optimization Framework for Sensor Data. , 2015, , .		8
83	Automatic Composition of Semantic Web Services Based on Fuzzy Predicate Petri Nets. IEEE Transactions on Automation Science and Engineering, 2015, 12, 680-689.	5.2	84
84	Petri Net Based Behavior Description of Cross-Organization Workflow with Synchronous Interaction Pattern. Communications in Computer and Information Science, 2015, , 1-10.	0.5	8
85	Modeling and Analysis for Cross-Organizational Emergency Response Systems Using Petri Nets. Jisuanji Xuebao/Chinese Journal of Computers, 2014, 36, 2290-2302.	0.3	14
86	Formulating the Data-Flow Modeling and Verification for Workflow: A Petri Net based Approach. International Journal of Science and Engineering Applications, 2014, 3, 107-112.	0.1	14
87	Cross-organizational collaborative workflow mining from a multi-source log. Decision Support Systems, 2013, 54, 1280-1301.	5.9	67
88	Invariant Decomposition Conditions for Petri Nets Based on the Index of Transitions. Information Technology Journal, 2012, 11, 768-774.	0.3	21
89	Petri Net-Based Modeling and Verification of Automatic Train Speed Control System. Applied Mechanics and Materials, 0, 571-572, 395-399.	0.2	4