Simon Luo

List of Publications by Year
in descending order

143 papers	3,393 citations	136950 32 h-index	161849 54 g-index
148 all docs	148 docs citations	148 times ranked	2886 citing authors

#	Article	IF	Citations
1	A real-time integrated optimization of the aircraft holding time and rerouting under risk area. Annals of Operations Research, 2022, 310, 7-26.	4.1	1
2	Enabling artificial intelligence on a donation-based crowdfunding platform: a theoretical approach. Annals of Operations Research, 2022, 319, 761-789.	4.1	20
3	The effect of equipment management capability maturity on manufacturing performance. Production Planning and Control, 2021, 32, 1352-1367.	8.8	1
4	Toward 6G Architecture for Energy-Efficient Communication in IoT-Enabled Smart Automation Systems. IEEE Internet of Things Journal, 2021, 8, 5141-5148.	8.7	68
5	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5223-5231.	8.0	49
6	Ensemble clustering using extended fuzzy k-means for cancer data analysis. Expert Systems With Applications, 2021, 172, 114622.	7.6	25
7	Weight reduction technology and supply chain network design under carbon emission restriction. Annals of Operations Research, 2020, 290, 567-590.	4.1	11
8	Upstream supply chain visibility and complexity effect on focal company's sustainable performance: Indian manufacturers' perspective. Annals of Operations Research, 2020, 290, 343-367.	4.1	70
9	An adaptive QoS computation for medical data processing in intelligent healthcare applications. Neural Computing and Applications, 2020, 32, 723-734.	5.6	46
10	Variable Weighting in Fuzzy k-Means Clustering to Determine the Number of Clusters. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1838-1853.	5.7	35
11	A decentralised approach to privacy preserving trajectory mining. Future Generation Computer Systems, 2020, 102, 382-392.	7.5	48
12	Towards Blockchain-Enabled Security Technique for Industrial Internet of Things Based Decentralized Applications. Journal of Grid Computing, 2020, 18, 615-628.	3.9	47
13	Examining the role of logistics 4.0 enabled dynamic capabilities on firm performance. International Journal of Logistics Management, 2020, 31, 607-628.	6.6	68
14	A Joint Deep Learning and Internet of Medical Things Driven Framework for Elderly Patients. IEEE Access, 2020, 8, 75822-75832.	4.2	68
15	Power-Management Strategies for Medical Information Transmission in Wireless Body Sensor Networks. IEEE Consumer Electronics Magazine, 2020, 9, 47-51.	2.3	28
16	Foggy: A New Anonymous Communication Architecture Based on Microservices. , 2020, , .		0
17	Organizational capabilities that enable big data and predictive analytics diffusion and organizational performance. Management Decision, 2019, 57, 1734-1755.	3.9	35
18	Harnessing the power of crowdsourcing and Internet of Things in disaster response. Annals of Operations Research, 2019, 283, 1175-1190.	4.1	23

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19	Period adding bifurcations in dynamic pricing processes. , 2019, , .		1
20	Bifurcation analysis of dynamic pricing processes with nonlinear external reference effects. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104929.	3.3	1
21	Stroke Data Analysis through a HVN Visual Mining Platform. , 2019, , .		5
22	Leveraging Smart Supply Chain and Information System Agility for Supply Chain Flexibility. Information Systems Frontiers, 2019, 21, 547-564.	6.4	84
23	Towards an optimal resource management for IoT based Green and sustainable smart cities. Journal of Cleaner Production, 2019, 220, 1167-1179.	9.3	143
24	Time series behavior modeling with digital twin for Internet of Vehicles. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	26
25	Role of cloud ERP and big data on firm performance: a dynamic capability view theory perspective. Management Decision, 2019, 57, 1857-1882.	3.9	71
26	A Joint Transmission Power Control and Duty-Cycle Approach for Smart Healthcare System. IEEE Sensors Journal, 2019, 19, 8479-8486.	4.7	55
27	Mobile edge computing based QoS optimization in medical healthcare applications. International Journal of Information Management, 2019, 45, 308-318.	17.5	124
28	Can big data and predictive analytics improve social and environmental sustainability?. Technological Forecasting and Social Change, 2019, 144, 534-545.	11.6	373
29	Antecedents of Resilient Supply Chains: An Empirical Study. IEEE Transactions on Engineering Management, 2019, 66, 8-19.	3.5	171
30	Big data in humanitarian supply chain management: a review and further research directions. Annals of Operations Research, 2019, 283, 1153-1173.	4.1	72
31	IO-UM: An Improved Ontology-Based User Model for the Internet Finance. Advances in Intelligent Systems and Computing, 2019, , 211-222.	0.6	1
32	Artificial Intelligence based QoS optimization for multimedia communication in IoV systems. Future Generation Computer Systems, 2019, 95, 667-680.	7.5	71
33	Impact of IS agility and HR systems on job satisfaction: an organizational information processing theory perspective. Journal of Knowledge Management, 2019, 23, 1782-1805.	5.1	21
34	A Model for Computing User's Preference Based on EP Algorithm. Advances in Intelligent Systems and Computing, 2019, , 113-122.	0.6	0
35	Big data and predictive analytics in humanitarian supply chains. International Journal of Logistics Management, 2018, 29, 485-512.	6.6	134
36	Pricing and bargaining strategy of e-retail under hybrid operational patterns. Annals of Operations Research, 2018, 270, 179-200.	4.1	32

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37	Explaining Environmental Sustainability in Supply Chains Using Graph Theory. Computational Economics, 2018, 52, 1257-1275.	2.6	36
38	A liner shipping competitive model with consideration of service quality management. Annals of Operations Research, 2018, 270, 155-177.	4.1	10
39	CPLP: An algorithm for tracking the changes of power consumption patterns in load profile data over time. Information Sciences, 2018, 429, 332-348.	6.9	9
40	Nonnegative Matrix Factorization Based Consensus for Clusterings With a Variable Number of Clusters. IEEE Access, 2018, 6, 73158-73169.	4.2	9
41	Frugal innovation for supply chain sustainability in SMEs: multi-method research design. Production Planning and Control, 2018, 29, 908-927.	8.8	91
42	Industry 4.0 implementation for multinationals. Chemical Engineering Research and Design, 2018, 118, 316-329.	5.6	147
43	Power Control Algorithms for Media Transmission in Remote Healthcare Systems. IEEE Access, 2018, 6, 42384-42393.	4.2	52
44	5G-Based Transmission Power Control Mechanism in Fog Computing for Internet of Things Devices. Sustainability, 2018, 10, 1258.	3.2	38
45	Examining the role of big data and predictive analytics on collaborative performance in context to sustainable consumption and production behaviour. Journal of Cleaner Production, 2018, 196, 1508-1521.	9.3	109
46	The Role of Informational and Human Resource Capabilities for Enabling Diffusion of Big Data and Predictive Analytics and Ensuing Performance. Contributions To Management Science, 2018, , 283-302.	0.5	6
47	Sustainable production framework for cement manufacturing firms: A behavioural perspective. Renewable and Sustainable Energy Reviews, 2017, 78, 495-502.	16.4	34
48	A theoretical model of jump diffusion-mean reversion. Business Process Management Journal, 2017, 23, 537-554.	4.2	0
49	A bibliographic study on big data: concepts, trends and challenges. Business Process Management Journal, 2017, 23, 555-573.	4.2	51
50	Appointment scheduling and routing optimization of attended home delivery system with random customer behavior. European Journal of Operational Research, 2017, 262, 966-980.	5.7	32
51	Antecedents of low carbon emissions supply chains. International Journal of Climate Change Strategies and Management, 2017, 9, 707-727.	2.9	22
52	Dynamics of environmental consciousness and green purchase behaviour: an empirical study. International Journal of Climate Change Strategies and Management, 2017, 9, 682-706.	2.9	108
53	An Improved Similarity Calculation Algorithm Used in News Recommender System. , 2017, , .		0
54	An End-to-end Tag-based Recommendation System for Verbal Reasoning Questions. , 2017, , .		0

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55	PageRank Approach to Ranking Football Teams' Network. , 2017, , .		0
56	The Application and Optimization of Unity Image Fusion Algorithm in HTC Vive Controllers Interaction. , 2017, , .		1
57	Practice and Research of HTC Vive Controller Functions in Virtual Reality Interaction. , 2017, , .		1
58	A backward method for transport equation based on Shannon wavelets and characteristics. , 2015, , .		0
59	Developing an Integration Framework for Crowdsourcing and Internet of Things with Applications for Disaster Response. , 2015, , .		9
60	An Efficient Algorithm for Linear Semi-Infinite Programming over Positive Polynomials. , 2015, , .		0
61	Interactive Model Fitting for Human Robot Collaboration. , 2014, , .		1
62	Introduction to Smart Manufacturing. Advances in Logistics, Operations, and Management Science Book Series, 2014, , 1-19.	0.4	0
63	Introduction to Mechanism Design for Sustainability. , 2013, , 3-12.		2
64	RFID Enabled Vehicular Network for Ubiquitous Travel Query. , 2013, , 348-363.		0
65	RFID enabled vehicular wireless query for Travel Information in Intelligent Transportation System. , 2011, , .		5
66	Welcome Message from the GreEnCom Workshop Chairs. , 2011, , .		0
67	Coordinated message delivery in partially connected local association networks for the 'Internet of Things'. International Journal of Radio Frequency Identification Technology and Applications, 2011, 3, 54.	0.5	0
68	A new routing and connectivity availability metric of low duty cycle random sleep scheduled multi-hop wireless sensor networks. Journal of China Universities of Posts and Telecommunications, 2011, 18, 101-108.	0.8	1
69	Tamper Detection in the EPC Network Using Digital Watermarking. IEEE Security and Privacy, 2011, 9, 62-69.	1.2	4
70	A Warehousing Approach to Distribution and Retailing Efficiency Improvement: A China Targeted Analysis. , 2011, , .		0
71	RFID Enabled Vehicular Network for Ubiquitous Travel Query. International Journal of Systems and Service-Oriented Engineering, 2011, 2, 47-62.	0.6	0
72	Message from the ELCB 2010 Workshop Chairs. , 2010, , .		0

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73	RFID-enabled tracking in flexible assembly line. International Journal of Advanced Manufacturing Technology, 2010, 46, 351-360.	3.0	33
74	Ubiquitous RFID: Where are we?. Information Systems Frontiers, 2010, 12, 485-490.	6.4	39
75	Guest editorial: Advances in RFID technology. Information Systems Frontiers, 2010, 12, 481-483.	6.4	4
76	A lightweight anti-desynchronization RFID authentication protocol. Information Systems Frontiers, 2010, 12, 521-528.	6.4	38
77	Developing Local Association Network Based IoT Solutions for Body Parts Tagging and Tracking. International Journal of Systems and Service-Oriented Engineering, 2010, 1, 42-64.	0.6	3
78	A Coordinated P2P Message Delivery Mechanism in Local Association Networks for the Internet of Things. , 2010, , .		3
79	A Model for Evaluating Connectivity Availability in Random Sleep Scheduled Delay-Tolerant Wireless Networks. , 2010, , .		7
80	Supply Chain Carbon Impact Analysis: A SCOR Based Input-Output Model Approach. , 2010, , .		1
81	Adopting RFID for body parts tagging: A local association network approach. , 2010, , .		3
82	The SME Oriented Service Delivery Mechanism and an Implementation. , 2010, , .		0
83	Warehouse Financing Risk Analysis for SMEs in China. , 2010, , .		0
84	Bacterial Expression, Refolding, Functional Characterization, and Mass Spectrometric Identification of Full-Length Human PPAR-Î³. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1173-1180.	1.3	3
85	SAW RFID enabled multi-functional sensors for food safety applications. , 2010, , .		10
86	A Mobile Service Platform for Trustworthy E-Learning Service Provisioning. Advances in Mobile and Distance Learning Book Series, 2010, , 108-121.	0.5	0
87	A Mobile Service Platform for Trustworthy E-Learning Service Provisioning. International Journal of Dependable and Trustworthy Information Systems, 2010, 1, 1-13.	0.1	4
88	Cross Border Financing Scheme Design under the RMB Currency Swap Framework. , 2009, , .		1
89	A Semantic DOM Approach for Webpage Information Extraction. , 2009, , .		2
90	Intelligent System of Passenger Transportation Capacity Requirements Analysis in Guangzhou Asian Games. , 2009, , .		0

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91	Risk Analysis and Measurement in Warehouse Financing. , 2009, , .		4
92	Delay Tolerant Vehicular Network in Intelligent Transportation System. , 2009, , .		2
93	RFID Middleware Event Processing Based on CEP. , 2009, , .		7
94	Message from the AiR 2009 Chairs. , 2009, , .		0
95	A P2P Collaborative RFID Data Cleaning Model. , 2008, , .		10
96	Towards Practical Privacy Preserving Technology Adoption Analysis Service Platform. , 2008, , .		0
97	Mobile Intelligence for Delay Tolerant Logistics and Supply Chain Management. , 2008, , .		7
98	Developing a Trusted System for Tracking Asset on the Move. , 2008, , .		6
99	Design and Analysis for RFID Authentication Protocol. , 2008, , .		3
100	A service platform for RFID technology adoption analysis in inventory control. , 2008, , .		1
101	Message from the AiR 2008 Chairs. , 2008, , .		0
102	An Agent-mediated Middleware Service Framework for e-Logistics. , 2008, , 193-217.		3
103	RFID Enabled Logistics Services. Wireless Networks and Mobile Communications, 2008, , 207-232.	1.0	1
104	RFID Assisted Object Tracking for Automating Manufacturing Assembly Lines. , 2007, , .		18
105	Apply Model Integration in RFID Technology Adoption Analysis. , 2007, , .		6
106	SOA-Trust: Towards Developing Trustworthy RFID Enabled Intelligent Service Solutions. , 2007, , .		3
107	Interconnected RFID Reader Collision Model and its Application in Reader Anti-collision. , 2007, , .		40
108	Analysis of RFID Adoption in China. , 2007, , .		10

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109	Towards an SOA Technology Adoption Analysis Framework. , 2007, , .		1
110	Intelligent Middleware Service Framework. , 2006, , .		5
111	Quality Management using RFID and Third Generation Mobile Communications Systems. , 2006, , .		1
112	Service-Oriented Distributed Data Mining. IEEE Internet Computing, 2006, 10, 44-54.	3.3	23
113	Experimental Analysis of an RFID Security Protocol. , 2006, , .		9
114	A Data Transfer Scheme of Grid Workflow Based on Weighted Directed Graph. , 2006, , .		1
115	QoS driven web services assessment and selection. International Journal of Services Operations and Informatics, 2006, 1, 78.	0.3	0
116	A Solution to Intelligent Services Selection. , 2006, , .		1
117	E-Service/Process Composition Through Multi-agent Constraint Management. Lecture Notes in Computer Science, 2006, , 274-289.	1.3	12
118	On Demand E-Learning with Service Grid Technologies. Lecture Notes in Computer Science, 2006, , 60-69.	1.3	5
119	Intelligent Middleware Service Framework. , 2006, , .		0
120	A Web serivces community model for services fulfillment [serivces read services]. , 2005, , .		1
121	A Web services provisioning optimization model in a Web services community. , 2005, , .		3
122	A Web services community model for services provisioning. , 2005, , .		0
123	Towards efficient selection of Web services with reinforcement learning process. , 2005, , .		1
124	An integrated services framework for location discovery to support location based services. , 2005, , .		4
125	A lightweight mutual authentication protocol for RFID networks. , 2005, , .		24
126	Mapping Web Usage Patterns to MDP Model and Mining with Reinforcement Learning. Lecture Notes in Computer Science, 2005, , 698-702.	1.3	2

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127	An integrated services framework for location discovery to support location based services. , 2005, , .		0
128	Adaptive Job Scheduling for a Service Grid Using a Genetic Algorithm. Lecture Notes in Computer Science, 2004, , 65-72.	1.3	4
129	Petri-Net-Based Coordination Algorithms for Grid Transactions. Lecture Notes in Computer Science, 2004, , 499-508.	1.3	4
130	Exception Handling for Conflict Resolution in Cross-Organizational Workflows. Distributed and Parallel Databases, 2003, 13, 271-306.	1.6	27
131	Uni-Grid P&T: A Toolkit for Building Customizable Grid Portals. Lecture Notes in Computer Science, 2003, , 198-212.	1.3	0
132	Authorization and Access Control of Application Data in Workflow Systems. Journal of Intelligent Information Systems, 2002, 18, 71-94.	3.9	51
133	Exception Handling in Workflow Systems. Applied Intelligence, 2000, 13, 125-147.	5.3	112
134	Checkpointing for workflow recovery. , 2000, , .		5
135	Layered queueing models for enterprise JavaBean applications. , 0, , .		2
136	Value Analysis Framework for RFID Technology Adoption in Retailers in China. Communications of the Association for Information Systems, 0, 23, .	0.9	6
137	Developing Local Association Network Based IoT Solutions for Body Parts Tagging and Tracking. , 0, , 83-104.		0
138	Warehouse Financing Risk Analysis and Measurement with Case Study in Carbon Trading. , 0, , 1064-1088.		1
139	A Gamification Mechanism for Advertising in Mobile Cloud. Advances in Civil and Industrial Engineering Book Series, 0, , 263-280.	0.2	0
140	Warehouse Financing Risk Analysis and Measurement with Case Study in Carbon Trading. , 0, , 132-156.		1
141	An Agent-mediated Middleware Service Framework for e-Logistics. , 0, , .		1
142	Free shipping policy for imported cross-border e-commerce platforms. Annals of Operations Research, 0, , .	4.1	3
143	A multi-period closed-loop supply chain network design with circular route planning. Annals of Operations Research, 0, , .	4.1	1