Simon Luo

List of Publications by Year
in descending order

143 papers	3,393 citations	136885 32 h-index	161767 54 g-index
148 all docs	148 docs citations	148 times ranked	2886 citing authors

#	Article	IF	Citations
1	Can big data and predictive analytics improve social and environmental sustainability?. Technological Forecasting and Social Change, 2019, 144, 534-545.	6.2	373
2	Antecedents of Resilient Supply Chains: An Empirical Study. IEEE Transactions on Engineering Management, 2019, 66, 8-19.	2.4	171
3	Industry 4.0 implementation for multinationals. Chemical Engineering Research and Design, 2018, 118, 316-329.	2.7	147
4	Towards an optimal resource management for IoT based Green and sustainable smart cities. Journal of Cleaner Production, 2019, 220, 1167-1179.	4.6	143
5	Big data and predictive analytics in humanitarian supply chains. International Journal of Logistics Management, 2018, 29, 485-512.	4.1	134
6	Mobile edge computing based QoS optimization in medical healthcare applications. International Journal of Information Management, 2019, 45, 308-318.	10.5	124
7	Exception Handling in Workflow Systems. Applied Intelligence, 2000, 13, 125-147.	3.3	112
8	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.	4.6	109
9	Dynamics of environmental consciousness and green purchase behaviour: an empirical study. International Journal of Climate Change Strategies and Management, 2017, 9, 682-706.	1.5	108
10	Frugal innovation for supply chain sustainability in SMEs: multi-method research design. Production Planning and Control, 2018, 29, 908-927.	5.8	91
11	Leveraging Smart Supply Chain and Information System Agility for Supply Chain Flexibility. Information Systems Frontiers, 2019, 21, 547-564.	4.1	84
12	Big data in humanitarian supply chain management: a review and further research directions. Annals of Operations Research, 2019, 283, 1153-1173.	2.6	72
13	Role of cloud ERP and big data on firm performance: a dynamic capability view theory perspective. Management Decision, 2019, 57, 1857-1882.	2.2	71
14	Artificial Intelligence based QoS optimization for multimedia communication in IoV systems. Future Generation Computer Systems, 2019, 95, 667-680.	4.9	71
15	Upstream supply chain visibility and complexity effect on focal company's sustainable performance: Indian manufacturers' perspective. Annals of Operations Research, 2020, 290, 343-367.	2.6	70
16	Examining the role of logistics 4.0 enabled dynamic capabilities on firm performance. International Journal of Logistics Management, 2020, 31, 607-628.	4.1	68
17	A Joint Deep Learning and Internet of Medical Things Driven Framework for Elderly Patients. IEEE Access, 2020, 8, 75822-75832.	2.6	68
18	Toward 6G Architecture for Energy-Efficient Communication in IoT-Enabled Smart Automation Systems. IEEE Internet of Things Journal, 2021, 8, 5141-5148.	5.5	68

#	Article	IF	Citations
19	A Joint Transmission Power Control and Duty-Cycle Approach for Smart Healthcare System. IEEE Sensors Journal, 2019, 19, 8479-8486.	2.4	55
20	Power Control Algorithms for Media Transmission in Remote Healthcare Systems. IEEE Access, 2018, 6, 42384-42393.	2.6	52
21	Authorization and Access Control of Application Data in Workflow Systems. Journal of Intelligent Information Systems, 2002, 18, 71-94.	2.8	51
22	A bibliographic study on big data: concepts, trends and challenges. Business Process Management Journal, 2017, 23, 555-573.	2.4	51
23	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5223-5231.	4.7	49
24	A decentralised approach to privacy preserving trajectory mining. Future Generation Computer Systems, 2020, 102, 382-392.	4.9	48
25	Towards Blockchain-Enabled Security Technique for Industrial Internet of Things Based Decentralized Applications. Journal of Grid Computing, 2020, 18, 615-628.	2.5	47
26	An adaptive QoS computation for medical data processing in intelligent healthcare applications. Neural Computing and Applications, 2020, 32, 723-734.	3.2	46
27	Interconnected RFID Reader Collision Model and its Application in Reader Anti-collision. , 2007, , .		40
28	Ubiquitous RFID: Where are we?. Information Systems Frontiers, 2010, 12, 485-490.	4.1	39
29	A lightweight anti-desynchronization RFID authentication protocol. Information Systems Frontiers, 2010, 12, 521-528.	4.1	38
30	5G-Based Transmission Power Control Mechanism in Fog Computing for Internet of Things Devices. Sustainability, 2018, 10, 1258.	1.6	38
31	Explaining Environmental Sustainability in Supply Chains Using Graph Theory. Computational Economics, 2018, 52, 1257-1275.	1.5	36
32	Organizational capabilities that enable big data and predictive analytics diffusion and organizational performance. Management Decision, 2019, 57, 1734-1755.	2.2	35
33	Variable Weighting in Fuzzy k-Means Clustering to Determine the Number of Clusters. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1838-1853.	4.0	35
34	Sustainable production framework for cement manufacturing firms: A behavioural perspective. Renewable and Sustainable Energy Reviews, 2017, 78, 495-502.	8.2	34
35	RFID-enabled tracking in flexible assembly line. International Journal of Advanced Manufacturing Technology, 2010, 46, 351-360.	1.5	33
36	Appointment scheduling and routing optimization of attended home delivery system with random customer behavior. European Journal of Operational Research, 2017, 262, 966-980.	3.5	32

#	Article	IF	Citations
37	Pricing and bargaining strategy of e-retail under hybrid operational patterns. Annals of Operations Research, 2018, 270, 179-200.	2.6	32
38	Power-Management Strategies for Medical Information Transmission in Wireless Body Sensor Networks. IEEE Consumer Electronics Magazine, 2020, 9, 47-51.	2.3	28
39	Exception Handling for Conflict Resolution in Cross-Organizational Workflows. Distributed and Parallel Databases, 2003, 13, 271-306.	1.0	27
40	Time series behavior modeling with digital twin for Internet of Vehicles. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	26
41	Ensemble clustering using extended fuzzy k-means for cancer data analysis. Expert Systems With Applications, 2021, 172, 114622.	4.4	25
42	A lightweight mutual authentication protocol for RFID networks. , 2005, , .		24
43	Service-Oriented Distributed Data Mining. IEEE Internet Computing, 2006, 10, 44-54.	3.2	23
44	Harnessing the power of crowdsourcing and Internet of Things in disaster response. Annals of Operations Research, 2019, 283, 1175-1190.	2.6	23
45	Antecedents of low carbon emissions supply chains. International Journal of Climate Change Strategies and Management, 2017, 9, 707-727.	1.5	22
46	Impact of IS agility and HR systems on job satisfaction: an organizational information processing theory perspective. Journal of Knowledge Management, 2019, 23, 1782-1805.	3.2	21
47	Enabling artificial intelligence on a donation-based crowdfunding platform: a theoretical approach. Annals of Operations Research, 2022, 319, 761-789.	2.6	20
48	RFID Assisted Object Tracking for Automating Manufacturing Assembly Lines. , 2007, , .		18
49	E-Service/Process Composition Through Multi-agent Constraint Management. Lecture Notes in Computer Science, 2006, , 274-289.	1.0	12
50	Weight reduction technology and supply chain network design under carbon emission restriction. Annals of Operations Research, 2020, 290, 567-590.	2.6	11
51	Analysis of RFID Adoption in China. , 2007, , .		10
52	A P2P Collaborative RFID Data Cleaning Model. , 2008, , .		10
53	SAW RFID enabled multi-functional sensors for food safety applications. , 2010, , .		10
54	A liner shipping competitive model with consideration of service quality management. Annals of Operations Research, 2018, 270, 155-177.	2.6	10

#	ARTICLE	IF	CITATIONS
55	Experimental Analysis of an RFID Security Protocol. , 2006, , .		9
56	Developing an Integration Framework for Crowdsourcing and Internet of Things with Applications for Disaster Response. , 2015, , .		9
57	CPLP: An algorithm for tracking the changes of power consumption patterns in load profile data over time. Information Sciences, 2018, 429, 332-348.	4.0	9
58	Nonnegative Matrix Factorization Based Consensus for Clusterings With a Variable Number of Clusters. IEEE Access, 2018, 6, 73158-73169.	2.6	9
59	Mobile Intelligence for Delay Tolerant Logistics and Supply Chain Management. , 2008, , .		7
60	RFID Middleware Event Processing Based on CEP. , 2009, , .		7
61	A Model for Evaluating Connectivity Availability in Random Sleep Scheduled Delay-Tolerant Wireless Networks. , 2010, , .		7
62	Apply Model Integration in RFID Technology Adoption Analysis. , 2007, , .		6
63	Developing a Trusted System for Tracking Asset on the Move. , 2008, , .		6
64	Value Analysis Framework for RFID Technology Adoption in Retailers in China. Communications of the Association for Information Systems, 0, 23, .	0.7	6
65	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.	0.4	6
66	Checkpointing for workflow recovery. , 2000, , .		5
67	Intelligent Middleware Service Framework. , 2006, , .		5
68	RFID enabled vehicular wireless query for Travel Information in Intelligent Transportation System. , 2011, , .		5
69	Stroke Data Analysis through a HVN Visual Mining Platform. , 2019, , .		5
70	On Demand E-Learning with Service Grid Technologies. Lecture Notes in Computer Science, 2006, , 60-69.	1.0	5
71	An integrated services framework for location discovery to support location based services. , 2005, , .		4
72	Risk Analysis and Measurement in Warehouse Financing. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
73	Guest editorial: Advances in RFID technology. Information Systems Frontiers, 2010, 12, 481-483.	4.1	4
74	Tamper Detection in the EPC Network Using Digital Watermarking. IEEE Security and Privacy, 2011, 9, 62-69.	1.5	4
75	Adaptive Job Scheduling for a Service Grid Using a Genetic Algorithm. Lecture Notes in Computer Science, 2004, , 65-72.	1.0	4
76	Petri-Net-Based Coordination Algorithms for Grid Transactions. Lecture Notes in Computer Science, 2004, , 499-508.	1.0	4
77	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
78	A Web services provisioning optimization model in a Web services community. , 2005, , .		3
79	SOA-Trust: Towards Developing Trustworthy RFID Enabled Intelligent Service Solutions. , 2007, , .		3
80	Design and Analysis for RFID Authentication Protocol. , 2008, , .		3
81	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.	0.5	3
82	A Coordinated P2P Message Delivery Mechanism in Local Association Networks for the Internet of Things. , 2010, , .		3
83	Adopting RFID for body parts tagging: A local association network approach. , 2010, , .		3
84	Bacterial Expression, Refolding, Functional Characterization, and Mass Spectrometric Identification of Full-Length Human PPAR-Î³. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1173-1180.	0.6	3
85	An Agent-mediated Middleware Service Framework for e-Logistics. , 2008, , 193-217.		3
86	Free shipping policy for imported cross-border e-commerce platforms. Annals of Operations Research, 0, , .	2.6	3
87	Layered queueing models for enterprise JavaBean applications. , 0, , .		2
88	Mapping Web Usage Patterns to MDP Model and Mining with Reinforcement Learning. Lecture Notes in Computer Science, 2005, , 698-702.	1.0	2
89	A Semantic DOM Approach for Webpage Information Extraction. , 2009, , .		2
90	Delay Tolerant Vehicular Network in Intelligent Transportation System. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
91	Introduction to Mechanism Design for Sustainability. , 2013, , 3-12.		2
92	A Web serivces community model for services fulfillment [serivces read services]. , 2005, , .		1
93	Towards efficient selection of Web services with reinforcement learning process. , 2005, , .		1
94	Quality Management using RFID and Third Generation Mobile Communications Systems. , 2006, , .		1
95	A Data Transfer Scheme of Grid Workflow Based on Weighted Directed Graph. , 2006, , .		1
96	A Solution to Intelligent Services Selection. , 2006, , .		1
97	Towards an SOA Technology Adoption Analysis Framework. , 2007, , .		1
98	A service platform for RFID technology adoption analysis in inventory control. , 2008, , .		1
99	Cross Border Financing Scheme Design under the RMB Currency Swap Framework. , 2009, , .		1
100	Supply Chain Carbon Impact Analysis: A SCOR Based Input-Output Model Approach. , 2010, , .		1
101	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
102	Interactive Model Fitting for Human Robot Collaboration. , 2014, , .		1
103	The Application and Optimization of Unity Image Fusion Algorithm in HTC Vive Controllers Interaction. , 2017, , .		1
104	Period adding bifurcations in dynamic pricing processes. , 2019, , .		1
105	Bifurcation analysis of dynamic pricing processes with nonlinear external reference effects. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104929.	1.7	1
106	A real-time integrated optimization of the aircraft holding time and rerouting under risk area. Annals of Operations Research, 2022, 310, 7-26.	2.6	1
107	The effect of equipment management capability maturity on manufacturing performance. Production Planning and Control, 2021, 32, 1352-1367.	5.8	1
108	IO-UM: An Improved Ontology-Based User Model for the Internet Finance. Advances in Intelligent Systems and Computing, 2019, , 211-222.	0.5	1

#	Article	IF	Citations
109	Practice and Research of HTC Vive Controller Functions in Virtual Reality Interaction. , 2017, , .		1
110	RFID Enabled Logistics Services. Wireless Networks and Mobile Communications, 2008, , 207-232.	1.0	1
111	Warehouse Financing Risk Analysis and Measurement with Case Study in Carbon Trading. , 0, , 1064-1088.		1
112	Warehouse Financing Risk Analysis and Measurement with Case Study in Carbon Trading. , 0, , 132-156.		1
113	An Agent-mediated Middleware Service Framework for e-Logistics. , 0, , .		1
114	A multi-period closed-loop supply chain network design with circular route planning. Annals of Operations Research, 0, , .	2.6	1
115	Uni-Grid P&T: A Toolkit for Building Customizable Grid Portals. Lecture Notes in Computer Science, 2003, , 198-212.	1.0	0
116	A Web services community model for services provisioning. , 2005, , .		0
117	QoS driven web services assessment and selection. International Journal of Services Operations and Informatics, 2006, 1, 78.	0.2	0
118	Towards Practical Privacy Preserving Technology Adoption Analysis Service Platform. , 2008, , .		0
119	Message from the AiR 2008 Chairs. , 2008, , .		0
120	Intelligent System of Passenger Transportation Capacity Requirements Analysis in Guangzhou Asian Games. , 2009, , .		0
121	Message from the AiR 2009 Chairs. , 2009, , .		0
122	Message from the ELCB 2010 Workshop Chairs. , 2010, , .		0
123	The SME Oriented Service Delivery Mechanism and an Implementation. , 2010, , .		0
124	Warehouse Financing Risk Analysis for SMEs in China. , 2010, , .		0
125	Welcome Message from the GreEnCom Workshop Chairs. , 2011, , .		0
126	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

#	Article	IF	Citations
127	A Warehousing Approach to Distribution and Retailing Efficiency Improvement: A China Targeted Analysis. , 2011, , .		0
128	A backward method for transport equation based on Shannon wavelets and characteristics. , 2015, , .		0
129	A theoretical model of jump diffusion-mean reversion. Business Process Management Journal, 2017, 23, 537-554.	2.4	0
130	An Improved Similarity Calculation Algorithm Used in News Recommender System. , 2017, , .		0
131	An End-to-end Tag-based Recommendation System for Verbal Reasoning Questions. , 2017, , .		0
132	PageRank Approach to Ranking Football Teams' Network. , 2017, , .		0
133	An integrated services framework for location discovery to support location based services. , 2005, , .		0
134	Intelligent Middleware Service Framework. , 2006, , .		0
135	A Mobile Service Platform for Trustworthy E-Learning Service Provisioning. Advances in Mobile and Distance Learning Book Series, 2010, , 108-121.	0.4	0
136	RFID Enabled Vehicular Network for Ubiquitous Travel Query. International Journal of Systems and Service-Oriented Engineering, 2011, 2, 47-62.	0.5	0
137	RFID Enabled Vehicular Network for Ubiquitous Travel Query. , 2013, , 348-363.		0
138	Introduction to Smart Manufacturing. Advances in Logistics, Operations, and Management Science Book Series, 2014, , 1-19.	0.3	0
139	An Efficient Algorithm for Linear Semi-Infinite Programming over Positive Polynomials. , 2015, , .		0
140	A Model for Computing Userâ€™s Preference Based on EP Algorithm. Advances in Intelligent Systems and Computing, 2019, , 113-122.	0.5	0
141	Developing Local Association Network Based IoT Solutions for Body Parts Tagging and Tracking. , 0, , 83-104.		0
142	A Gamification Mechanism for Advertising in Mobile Cloud. Advances in Civil and Industrial Engineering Book Series, 0, , 263-280.	0.2	0
143	Foggy: A New Anonymous Communication Architecture Based on Microservices. , 2020, , .		0