

Selwyn Piramuthu

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

3,310
citations

136740

32
h-index

174990

52
g-index

115
all docs

115
docs citations

115
times ranked

2514
citing authors

#	ARTICLE	IF	CITATIONS
1	Financial credit-risk evaluation with neural and neurofuzzy systems. <i>European Journal of Operational Research</i> , 1999, 112, 310-321.	3.5	195
2	Internet of Things (IoT) in high-risk Environment, Health and Safety (EHS) industries: A comprehensive review. <i>Decision Support Systems</i> , 2018, 108, 79-95.	3.5	179
3	Recent advances and opportunities in sustainable food supply chain: a model-oriented review. <i>International Journal of Production Research</i> , 2018, 56, 5700-5722.	4.9	155
4	Evaluating feature selection methods for learning in data mining applications. <i>European Journal of Operational Research</i> , 2004, 156, 483-494.	3.5	154
5	Identifying RFID-embedded objects in pervasive healthcare applications. <i>Decision Support Systems</i> , 2009, 46, 586-593.	3.5	138
6	RFID in highly perishable food supply chains – Remaining shelf life to supplant expiry date?. <i>International Journal of Production Economics</i> , 2013, 146, 717-727.	5.1	112
7	Knowledge-based framework for automated dynamic supply chain configuration. <i>European Journal of Operational Research</i> , 2005, 165, 219-230.	3.5	111
8	Protocols for RFID tag/reader authentication. <i>Decision Support Systems</i> , 2007, 43, 897-914.	3.5	111
9	RFID-generated traceability for contaminated product recall in perishable food supply networks. <i>European Journal of Operational Research</i> , 2013, 225, 253-262.	3.5	98
10	RFID and perishable inventory management with shelf-space and freshness dependent demand. <i>International Journal of Production Economics</i> , 2013, 144, 635-640.	5.1	82
11	RFID-enabled flexible warehousing. <i>Decision Support Systems</i> , 2017, 98, 99-112.	3.5	65
12	Challenges associated with RFID tag implementations in supply chains. <i>European Journal of Information Systems</i> , 2009, 18, 526-533.	5.5	62
13	Remanufacturing with RFID item-level information: Optimization, waste reduction and quality improvement. <i>International Journal of Production Economics</i> , 2013, 145, 647-657.	5.1	59
14	Smart city for sustainable urban freight logistics. <i>International Journal of Production Research</i> , 2021, 59, 2079-2089.	4.9	55
15	Single RFID Tag Ownership Transfer Protocols. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012, 42, 164-173.	3.3	54
16	RFID mutual authentication protocols. <i>Decision Support Systems</i> , 2011, 50, 387-393.	3.5	53
17	Do online social networks support decision-making?. <i>Decision Support Systems</i> , 2015, 70, 15-30.	3.5	52
18	Security/privacy of wearable fitness tracking IoT devices. , 2014, , .		50

#	ARTICLE	IF	CITATIONS
19	Framework, strategy and evaluation of health care processes with RFID. Decision Support Systems, 2010, 50, 222-233.	3.5	47
20	Multi-tag and multi-owner RFID ownership transfer in supply chains. Decision Support Systems, 2011, 52, 258-270.	3.5	45
21	Mobile environments and innovation co-creation processes & ecosystems. Information and Management, 2016, 53, 336-344.	3.6	45
22	Dynamic rule refinement in knowledge-based data mining systems. Decision Support Systems, 2001, 31, 205-222.	3.5	42
23	Lightweight Cryptographic Authentication in Passive RFID-Tagged Systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 360-376.	3.3	42
24	On preprocessing data for financial credit risk evaluation. Expert Systems With Applications, 2006, 30, 489-497.	4.4	41
25	Elliptic curve-based RFID/NFC authentication with temperature sensor input for relay attacks. Decision Support Systems, 2014, 59, 28-36.	3.5	41
26	Should retail stores also RFID-tag "cheap" items?. European Journal of Operational Research, 2014, 233, 281-291.	3.5	41
27	Input online review data and related bias in recommender systems. Decision Support Systems, 2012, 53, 418-424.	3.5	40
28	Deterioration control decision support for perishable inventory management. Decision Support Systems, 2020, 134, 113308.	3.5	37
29	Machine learning for dynamic multi-product supply chain formation. Expert Systems With Applications, 2005, 29, 985-990.	4.4	36
30	RFID-enabled item-level retail pricing. Decision Support Systems, 2009, 48, 169-179.	3.5	35
31	Secure ownership transfer for multi-tag multi-owner passive RFID environment with individual-owner-privacy. Computer Communications, 2015, 55, 112-124.	3.1	35
32	Adaptive knowledge-based system for health care applications with RFID-generated information. Decision Support Systems, 2011, 51, 198-207.	3.5	34
33	Secure Tag Search in RFID Systems Using Mobile Readers. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 230-242.	3.7	34
34	Blockchain-Based Agile Supply Chain Framework with IoT. Information Systems Frontiers, 2022, 24, 563-578.	4.1	34
35	A Robust Grouping Proof Protocol for RFID EPC C1G2 Tags. IEEE Transactions on Information Forensics and Security, 2014, 9, 961-975.	4.5	33
36	Product recommendation with latent review topics. Information Systems Frontiers, 2018, 20, 617-625.	4.1	33

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37	Iterative feature construction for improving inductive learning algorithms. Expert Systems With Applications, 2009, 36, 3401-3406.	4.4	32
38	Patient Safety Through RFID: Vulnerabilities in Recently Proposed Grouping Protocols. Journal of Medical Systems, 2012, 36, 431-435.	2.2	32
39	Vulnerabilities in some recently proposed RFID ownership transfer protocols. IEEE Communications Letters, 2010, 14, 260-262.	2.5	31
40	Information Relevance Model of Customized Privacy for IoT. Journal of Business Ethics, 2015, 131, 19-30.	3.7	31
41	Feature Selection for Financial Credit-Risk Evaluation Decisions. INFORMS Journal on Computing, 1999, 11, 258-266.	1.0	28
42	A social network matrix for implicit and explicit social network plates. Decision Support Systems, 2014, 68, 89-97.	3.5	25
43	Sequential Bias in Online Product Reviews. Journal of Organizational Computing and Electronic Commerce, 2009, 19, 85-95.	1.0	24
44	Simultaneous multi-level RFID tag ownership & transfer in health care environments. Decision Support Systems, 2012, 54, 98-108.	3.5	22
45	Multi-enterprise collaborative decision support system. Expert Systems With Applications, 2012, 39, 7637-7651.	4.4	22
46	Preventing ticket-switching of RFID-tagged items in apparel retail stores. Decision Support Systems, 2013, 55, 802-810.	3.5	22
47	On addressing RFID/NFC-based relay attacks: An overview. Decision Support Systems, 2020, 129, 113194.	3.5	22
48	Goodwill, inventory penalty, and adaptive supply chain management. European Journal of Operational Research, 2009, 199, 130-138.	3.5	21
49	Technology Regulation Policy for Business Ethics: An Example of RFID in Supply Chain Management. Journal of Business Ethics, 2013, 116, 327-340.	3.7	21
50	A novel means to address RFID tag/item separation in supply chains. Decision Support Systems, 2018, 115, 13-23.	3.5	21
51	Do decision-making structure and sequence exist in health online social networks?. Decision Support Systems, 2015, 74, 102-120.	3.5	20
52	Real-Time business data acquisition: How frequent is frequent enough?. Information and Management, 2018, 55, 422-429.	3.6	20
53	Learning-enhanced adaptive DSS: a Design Science perspective. Information Technology and Management, 2009, 10, 41-54.	1.4	19
54	Knowledge-based RFID enabled Web Service architecture for supply chain management. Expert Systems With Applications, 2010, 37, 7937-7946.	4.4	19

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55	Experimental evaluation of sequential bias in online customer reviews. Information and Management, 2014, 51, 964-971.	3.6	19
56	Adaptive Framework for Collisions in RFID Tag Identification. Journal of Information and Knowledge Management, 2008, 07, 9-14.	0.8	18
57	IoT security perspective of a flexible healthcare supply chain. Information Technology and Management, 2018, 19, 141-153.	1.4	18
58	Knowledge-based scenario management " Process and support. Decision Support Systems, 2010, 49, 507-520.	3.5	17
59	Critical risk considerations in auto-ID security: Barcode vs. RFID. Decision Support Systems, 2021, 142, 113471.	3.5	17
60	Secure attribute-based search in RFID-based inventory control systems. Decision Support Systems, 2020, 132, 113270.	3.5	16
61	A Decision-Support Model for Filtering RFID Read Data in Supply Chains. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 268-273.	3.3	15
62	On sensor-based solutions for simultaneous presence of multiple RFID tags. Decision Support Systems, 2017, 95, 102-109.	3.5	15
63	A secure search protocol for low cost passive RFID tags. Computer Networks, 2017, 122, 70-82.	3.2	15
64	Reducing False Reads in RFID-Embedded Supply Chains. Journal of Theoretical and Applied Electronic Commerce Research, 2008, 3, .	3.1	14
65	IoT and Supply Chain Traceability. Communications in Computer and Information Science, 2015, , 156-165.	0.4	14
66	Real option valuation on grid computing. Decision Support Systems, 2008, 46, 333-343.	3.5	13
67	Vulnerabilities in Chen and Deng's RFID mutual authentication and privacy protection protocol. Engineering Applications of Artificial Intelligence, 2011, 24, 1300-1302.	4.3	12
68	Vulnerabilities of RFID protocols proposed in ISF. Information Systems Frontiers, 2012, 14, 647-651.	4.1	12
69	Identification shrinkage in inventory management: an RFID-based solution. Annals of Operations Research, 2017, 258, 285-300.	2.6	11
70	Towards a secure Cloud of Secure Elements concepts and experiments with NFC mobiles. , 2013, ,		10
71	Framework and authentication protocols for smartphone, NFC, and RFID in retail transactions. , 2013, ,		10
72	Consumer preference and service quality management with RFID. Annals of Operations Research, 2014, 216, 35-51.	2.6	10

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73	RFID-enabled item-level product information revelation. <i>European Journal of Information Systems</i> , 2009, 18, 570-577.	5.5	9
74	Effects of ticket-switching on inventory management: Actual vs. information system-based data. <i>Decision Support Systems</i> , 2015, 77, 31-40.	3.5	9
75	Protocols for Objects with Multiple RFID Tags. , 2008, , .		8
76	A Decision Support Model for Filtering RFID Read Data. , 2008, , .		8
77	RFID and Information Security in Supply Chains. , 2008, , .		8
78	Vulnerabilities in Some Recently Proposed RFID Ownership Transfer Protocols. , 2009, , .		8
79	Effect of ticket-switching on inventory and shelf-space allocation. <i>Decision Support Systems</i> , 2015, 69, 31-39.	3.5	8
80	Lightweight non-distance-bounding means to address RFID relay attacks. <i>Decision Support Systems</i> , 2017, 102, 12-21.	3.5	8
81	Title is missing!. <i>Annals of Operations Research</i> , 1998, 78, 219-234.	2.6	7
82	Feature Selection for Reduction of Tabular Knowledge-Based Systems. <i>Information Technology and Management</i> , 2005, 6, 351-362.	1.4	4
83	LLCPS and SISO: A TLS-based framework with RFID for NFC P2P retail transaction processing. , 2013, , .		4
84	RFID-Based Attack Scenarios in Retailing, Healthcare and Sports. <i>Journal of Information Privacy and Security</i> , 2013, 9, 4-17.	0.4	4
85	On Group Ownership Delegate Protocol for RFID Systems. <i>Information Systems Frontiers</i> , 2022, 24, 1577-1584.	4.1	4
86	Varying Levels of RFID Tag Ownership in Supply Chains. <i>Lecture Notes in Computer Science</i> , 2011, , 228-235.	1.0	4
87	Feature construction for reduction of tabular knowledge-based systems. <i>Information Sciences</i> , 2004, 168, 201-215.	4.0	3
88	RFID-Embedded Decision Support for Tracking Surgical Equipment. , 2011, , .		3
89	Internet Smart Card for perishable food cold supply chain. , 2013, , .		3
90	Dynamic Organizational Learning with IoT and Retail Social Network Data. , 2016, , .		3

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91	Security of lightweight mutual authentication protocols. Journal of Supercomputing, 2021, 77, 4565-4581.	2.4	3
92	Review of auto-ID technology use in warehouse management. International Journal of RF Technologies: Research and Applications, 2021, 12, 35-51.	0.5	3
93	Critical Evaluation of RFID Applications in Healthcare. Communications in Computer and Information Science, 2019, , 240-248.	0.4	3
94	A Learning-Enhanced Adaptive Decision Support System Framework. , 2008, , 697-716.		1
95	Web Services-based architecture for RFID applications. , 2009, , .		1
96	Implementing a multi-enterprise collaborative DSS. , 2009, , .		1
97	Performance Drivers for RFID-Generated Item-Level Information in the Oil Industry. Journal of Organizational Computing and Electronic Commerce, 2011, 21, 295-314.	1.0	1
98	Combining fuzzy evidence from HB protocol variant for RFID authentication in supply chains. , 2011, , .		1
99	Models to Address RFID-based Ticket-switching in Retailing. Decision Support Systems, 2021, , 113666.	3.5	1
100	Mutual Authentication of RFID Tag with Multiple Readers. Communications in Computer and Information Science, 2011, , 357-361.	0.4	1
101	Dynamics of sensor-based information in supply chains with perishables substitutable by non-perishables. Annals of Operations Research, 2023, 329, 1357-1380.	2.6	1
102	Web services based workflow architecture for RFID applications using service chains. , 2008, , .		0
103	Current Developments in RFID Research. Journal of Organizational Computing and Electronic Commerce, 2011, 21, 265-267.	1.0	0
104	Passive Enumeration of Secret Information in LMAP and M2APRFID Authentication Protocols. Journal of Information Privacy and Security, 2012, 8, 4-14.	0.4	0
105	Item-level RFID in retailing: What can B&M retailers learn from online retailers?. International Journal of RF Technologies: Research and Applications, 2013, 5, 107-122.	0.5	0
106	AN OWNERSHIP SHARING PROTOCOL FOR RFID WITHOUT A TRUSTED THIRD PARTY. , 2009, , .		0
107	Decision Support with RFID for Health Care. Communications in Computer and Information Science, 2010, , 243-249.	0.4	0
108	A Critical Evaluation of RFID in Manufacturing. IFIP Advances in Information and Communication Technology, 2013, , 41-48.	0.5	0