

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	Dynamics of sensor-based information in supply chains with perishables substitutable by non-perishables. <i>Annals of Operations Research</i> , 2023, 329, 1357-1380.	2.6	1
2	Blockchain-Based Agile Supply Chain Framework with IoT. <i>Information Systems Frontiers</i> , 2022, 24, 563-578.	4.1	34
3	On Group Ownership Delegate Protocol for RFID Systems. <i>Information Systems Frontiers</i> , 2022, 24, 1577-1584.	4.1	4
4	Security of lightweight mutual authentication protocols. <i>Journal of Supercomputing</i> , 2021, 77, 4565-4581.	2.4	3
5	Critical risk considerations in auto-ID security: Barcode vs. RFID. <i>Decision Support Systems</i> , 2021, 142, 113471.	3.5	17
6	Smart city for sustainable urban freight logistics. <i>International Journal of Production Research</i> , 2021, 59, 2079-2089.	4.9	55
7	Review of auto-ID technology use in warehouse management. <i>International Journal of RF Technologies: Research and Applications</i> , 2021, 12, 35-51.	0.5	3
8	Models to Address RFID-based Ticket-switching in Retailing. <i>Decision Support Systems</i> , 2021, , 113666.	3.5	1
9	On addressing RFID/NFC-based relay attacks: An overview. <i>Decision Support Systems</i> , 2020, 129, 113194.	3.5	22
10	Deterioration control decision support for perishable inventory management. <i>Decision Support Systems</i> , 2020, 134, 113308.	3.5	37
11	Secure attribute-based search in RFID-based inventory control systems. <i>Decision Support Systems</i> , 2020, 132, 113270.	3.5	16
12	Critical Evaluation of RFID Applications in Healthcare. <i>Communications in Computer and Information Science</i> , 2019, , 240-248.	0.4	3
13	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
14	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
15	Product recommendation with latent review topics. <i>Information Systems Frontiers</i> , 2018, 20, 617-625.	4.1	33
16	Real-Time business data acquisition: How frequent is frequent enough?. <i>Information and Management</i> , 2018, 55, 422-429.	3.6	20
17	IoT security perspective of a flexible healthcare supply chain. <i>Information Technology and Management</i> , 2018, 19, 141-153.	1.4	18
18	A novel means to address RFID tag/item separation in supply chains. <i>Decision Support Systems</i> , 2018, 115, 13-23.	3.5	21

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19	Identification shrinkage in inventory management: an RFID-based solution. <i>Annals of Operations Research</i> , 2017, 258, 285-300.	2.6	11
20	On sensor-based solutions for simultaneous presence of multiple RFID tags. <i>Decision Support Systems</i> , 2017, 95, 102-109.	3.5	15
21	A secure search protocol for low cost passive RFID tags. <i>Computer Networks</i> , 2017, 122, 70-82.	3.2	15
22	RFID-enabled flexible warehousing. <i>Decision Support Systems</i> , 2017, 98, 99-112.	3.5	65
23	Lightweight non-distance-bounding means to address RFID relay attacks. <i>Decision Support Systems</i> , 2017, 102, 12-21.	3.5	8
24	Mobile environments and innovation co-creation processes & ecosystems. <i>Information and Management</i> , 2016, 53, 336-344.	3.6	45
25	Dynamic Organizational Learning with IoT and Retail Social Network Data. , 2016, , .		3
26	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
27	Do decision-making structure and sequence exist in health online social networks?. <i>Decision Support Systems</i> , 2015, 74, 102-120.	3.5	20
28	Information Relevance Model of Customized Privacy for IoT. <i>Journal of Business Ethics</i> , 2015, 131, 19-30.	3.7	31
29	IoT and Supply Chain Traceability. <i>Communications in Computer and Information Science</i> , 2015, , 156-165.	0.4	14
30	Do online social networks support decision-making?. <i>Decision Support Systems</i> , 2015, 70, 15-30.	3.5	52
31	Effect of ticket-switching on inventory and shelf-space allocation. <i>Decision Support Systems</i> , 2015, 69, 31-39.	3.5	8
32	Secure Tag Search in RFID Systems Using Mobile Readers. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015, 12, 230-242.	3.7	34
33	Secure ownership transfer for multi-tag multi-owner passive RFID environment with individual-owner-privacy. <i>Computer Communications</i> , 2015, 55, 112-124.	3.1	35
34	Security/privacy of wearable fitness tracking IoT devices. , 2014, , .		50
35	Elliptic curve-based RFID/NFC authentication with temperature sensor input for relay attacks. <i>Decision Support Systems</i> , 2014, 59, 28-36.	3.5	41
36	Should retail stores also RFID-tag "cheap" items?. <i>European Journal of Operational Research</i> , 2014, 233, 281-291.	3.5	41

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37	A Robust Grouping Proof Protocol for RFID EPC C1G2 Tags. IEEE Transactions on Information Forensics and Security, 2014, 9, 961-975.	4.5	33
38	A social network matrix for implicit and explicit social network plates. Decision Support Systems, 2014, 68, 89-97.	3.5	25
39	Experimental evaluation of sequential bias in online customer reviews. Information and Management, 2014, 51, 964-971.	3.6	19
40	Consumer preference and service quality management with RFID. Annals of Operations Research, 2014, 216, 35-51.	2.6	10
41	Remanufacturing with RFID item-level information: Optimization, waste reduction and quality improvement. International Journal of Production Economics, 2013, 145, 647-657.	5.1	59
42	RFID and perishable inventory management with shelf-space and freshness dependent demand. International Journal of Production Economics, 2013, 144, 635-640.	5.1	82
43	Towards a secure Cloud of Secure Elements concepts and experiments with NFC mobiles. , 2013, , .		10
44	Internet Smart Card for perishable food cold supply chain. , 2013, , .		3
45	LLCPS and SISO: A TLS-based framework with RFID for NFC P2P retail transaction processing. , 2013, , .		4
46	Preventing ticket-switching of RFID-tagged items in apparel retail stores. Decision Support Systems, 2013, 55, 802-810.	3.5	22
47	RFID in highly perishable food supply chains “ Remaining shelf life to supplant expiry date?. International Journal of Production Economics, 2013, 146, 717-727.	5.1	112
48	RFID-generated traceability for contaminated product recall in perishable food supply networks. European Journal of Operational Research, 2013, 225, 253-262.	3.5	98
49	Framework and authentication protocols for smartphone, NFC, and RFID in retail transactions. , 2013, , .		10
50	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
51	RFID-Based Attack Scenarios in Retailing, Healthcare and Sports. Journal of Information Privacy and Security, 2013, 9, 4-17.	0.4	4
52	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
53	A Critical Evaluation of RFID in Manufacturing. IFIP Advances in Information and Communication Technology, 2013, , 41-48.	0.5	0
54	Passive Enumeration of Secret Information in LMAP and M2AP RFID Authentication Protocols. Journal of Information Privacy and Security, 2012, 8, 4-14.	0.4	0

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55	Input online review data and related bias in recommender systems. <i>Decision Support Systems</i> , 2012, 53, 418-424.	3.5	40
56	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
57	Simultaneous multi-level RFID tag ownership & transfer in health care environments. <i>Decision Support Systems</i> , 2012, 54, 98-108.	3.5	22
58	Vulnerabilities of RFID protocols proposed in ISF. <i>Information Systems Frontiers</i> , 2012, 14, 647-651.	4.1	12
59	Patient Safety Through RFID: Vulnerabilities in Recently Proposed Grouping Protocols. <i>Journal of Medical Systems</i> , 2012, 36, 431-435.	2.2	32
60	Multi-enterprise collaborative decision support system. <i>Expert Systems With Applications</i> , 2012, 39, 7637-7651.	4.4	22
61	Performance Drivers for RFID-Generated Item-Level Information in the Oil Industry. <i>Journal of Organizational Computing and Electronic Commerce</i> , 2011, 21, 295-314.	1.0	1
62	A Decision-Support Model for Filtering RFID Read Data in Supply Chains. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2011, 41, 268-273.	3.3	15
63	RFID mutual authentication protocols. <i>Decision Support Systems</i> , 2011, 50, 387-393.	3.5	53
64	Adaptive knowledge-based system for health care applications with RFID-generated information. <i>Decision Support Systems</i> , 2011, 51, 198-207.	3.5	34
65	Multi-tag and multi-owner RFID ownership transfer in supply chains. <i>Decision Support Systems</i> , 2011, 52, 258-270.	3.5	45
66	Vulnerabilities in Chen and Deng's RFID mutual authentication and privacy protection protocol. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 1300-1302.	4.3	12
67	RFID-Embedded Decision Support for Tracking Surgical Equipment. , 2011, , .		3
68	Current Developments in RFID Research. <i>Journal of Organizational Computing and Electronic Commerce</i> , 2011, 21, 265-267.	1.0	0
69	Combining fuzzy evidence from HB protocol variant for RFID authentication in supply chains. , 2011, , .		1
70	Varying Levels of RFID Tag Ownership in Supply Chains. <i>Lecture Notes in Computer Science</i> , 2011, , 228-235.	1.0	4
71	Mutual Authentication of RFID Tag with Multiple Readers. <i>Communications in Computer and Information Science</i> , 2011, , 357-361.	0.4	1
72	Knowledge-based scenario management " Process and support. <i>Decision Support Systems</i> , 2010, 49, 507-520.	3.5	17

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73	Framework, strategy and evaluation of health care processes with RFID. Decision Support Systems, 2010, 50, 222-233.	3.5	47
74	Knowledge-based RFID enabled Web Service architecture for supply chain management. Expert Systems With Applications, 2010, 37, 7937-7946.	4.4	19
75	Vulnerabilities in some recently proposed RFID ownership transfer protocols. IEEE Communications Letters, 2010, 14, 260-262.	2.5	31
76	Decision Support with RFID for Health Care. Communications in Computer and Information Science, 2010, , 243-249.	0.4	0
77	Vulnerabilities in Some Recently Proposed RFID Ownership Transfer Protocols. , 2009, , .		8
78	Web Services-based architecture for RFID applications. , 2009, , .		1
79	RFID-enabled item-level product information revelation. European Journal of Information Systems, 2009, 18, 570-577.	5.5	9
80	Sequential Bias in Online Product Reviews. Journal of Organizational Computing and Electronic Commerce, 2009, 19, 85-95.	1.0	24
81	Identifying RFID-embedded objects in pervasive healthcare applications. Decision Support Systems, 2009, 46, 586-593.	3.5	138
82	RFID-enabled item-level retail pricing. Decision Support Systems, 2009, 48, 169-179.	3.5	35
83	Iterative feature construction for improving inductive learning algorithms. Expert Systems With Applications, 2009, 36, 3401-3406.	4.4	32
84	Learning-enhanced adaptive DSS: a Design Science perspective. Information Technology and Management, 2009, 10, 41-54.	1.4	19
85	Goodwill, inventory penalty, and adaptive supply chain management. European Journal of Operational Research, 2009, 199, 130-138.	3.5	21
86	Implementing a multi-enterprise collaborative DSS. , 2009, , .		1
87	Challenges associated with RFID tag implementations in supply chains. European Journal of Information Systems, 2009, 18, 526-533.	5.5	62
88	AN OWNERSHIP SHARING PROTOCOL FOR RFID WITHOUT A TRUSTED THIRD PARTY. , 2009, , .		0
89	Real option valuation on grid computing. Decision Support Systems, 2008, 46, 333-343.	3.5	13
90	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

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91	A Learning-Enhanced Adaptive Decision Support System Framework. , 2008, , 697-716.		1
92	Web services based workflow architecture for RFID applications using service chains. , 2008, , .		0
93	Protocols for Objects with Multiple RFID Tags. , 2008, , .		8
94	A Decision Support Model for Filtering RFID Read Data. , 2008, , .		8
95	Adaptive Framework for Collisions in RFID Tag Identification. Journal of Information and Knowledge Management, 2008, 07, 9-14.	0.8	18
96	RFID and Information Security in Supply Chains. , 2008, , .		8
97	Reducing False Reads in RFID-Embedded Supply Chains. Journal of Theoretical and Applied Electronic Commerce Research, 2008, 3, .	3.1	14
98	Protocols for RFID tag/reader authentication. Decision Support Systems, 2007, 43, 897-914.	3.5	111
99	On preprocessing data for financial credit risk evaluation. Expert Systems With Applications, 2006, 30, 489-497.	4.4	41
100	Machine learning for dynamic multi-product supply chain formation. Expert Systems With Applications, 2005, 29, 985-990.	4.4	36
101	Knowledge-based framework for automated dynamic supply chain configuration. European Journal of Operational Research, 2005, 165, 219-230.	3.5	111
102	Feature Selection for Reduction of Tabular Knowledge-Based Systems. Information Technology and Management, 2005, 6, 351-362.	1.4	4
103	Evaluating feature selection methods for learning in data mining applications. European Journal of Operational Research, 2004, 156, 483-494.	3.5	154
104	Feature construction for reduction of tabular knowledge-based systems. Information Sciences, 2004, 168, 201-215.	4.0	3
105	Dynamic rule refinement in knowledge-based data mining systems. Decision Support Systems, 2001, 31, 205-222.	3.5	42
106	Financial credit-risk evaluation with neural and neurofuzzy systems. European Journal of Operational Research, 1999, 112, 310-321.	3.5	195
107	Feature Selection for Financial Credit-Risk Evaluation Decisions. INFORMS Journal on Computing, 1999, 11, 258-266.	1.0	28
108	Title is missing!. Annals of Operations Research, 1998, 78, 219-234.	2.6	7