Shingo Yamaguchi

List of Publications by Year
in descending order

72	296	1307594 7	1199594 12
papers	citations	h-index	g-index

73	73	73	121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine-Learning-Based White-Hat Worm Launcher in Botnet Defense System. International Journal of Software Science and Computational Intelligence, 2022, 14, 1-14.	3.0	22
2	Botnet Defense System and White-Hat Worm Launch Strategy in IoT Network. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 127-147.	0.5	0
3	What Can Consumer Technologies Contribute to the Future Society?. IEEE Consumer Electronics Magazine, 2022, 11, 4-5.	2.3	0
4	Evaluation on White-Hat Worm Diffusion Method Based on The Evolution of Its Lifespan in Wireless Networks. , 2022, , .		1
5	IEEE Consumer Technology Society Awards Presented at ICCE 2022. IEEE Consumer Electronics Magazine, 2022, 11, 9-11.	2.3	0
6	A DBSCAN-based White-Hat Worm Launcher for Botnet Defense System. , 2022, , .		0
7	Machine Learning White-Hat Worm Launcher for Tactical Response by Zoning in Botnet Defense System. Sensors, 2022, 22, 4666.	3.8	8
8	Pipe leakage detection system with artificial neural network. IAES International Journal of Artificial Intelligence, 2022, 11, 977.	0.8	0
9	A Basic Command and Control Strategy in Botnet Defense System. , 2021, , .		2
10	Identification of Driving Safety Profiles in Vehicle to Vehicle Communication System Based on Vehicle OBD Information. Information (Switzerland), 2021, 12, 194.	2.9	4
11	Multi-Task Learning-Based Task Scheduling Switcher for a Resource-Constrained IoT System. Information (Switzerland), 2021, 12, 150.	2.9	2
12	Physical Device Compatibility Support for Implementation of IoT Services with Design Once, Provide Anywhere Concept. Information (Switzerland), 2021, 12, 30.	2.9	4
13	State-of-the-Art and Future Direction of UAV Technologies [From the Editor's Desk]. IEEE Consumer Electronics Magazine, 2021, 10, 4-5.	2.3	2
14	On Application of Botnet Defense System to IoT Systems Including Private Networks. , 2021, , .		0
15	Machine-Learning-Based White-Hat Worm Launcher Adaptable to Large-Scale IoT Network. , 2021, , .		3
16	On Tactics to Deploy White-Hat Worms in Botnet Defense System. , 2021, , .		5
17	A Proposal of Heterogeneous White-Hat Botnet in Botnet Defense System. , 2021, , .		3
18	A Proposal of Patrol Function by White-Hat Worm in Botnet Defense System. , 2021, , .		3

#	Article	IF	Citations
19	Botnet Defense System: Concept, Design, and Basic Strategy. Information (Switzerland), 2020, 11, 516.	2.9	19
20	Verification Method for Accumulative Event Relation of Message Passing Behavior with Process Tree for IoT Systems. Information (Switzerland), 2020, 11, 232.	2.9	4
21	White-Hat Worm to Fight Malware and Its Evaluation by Agent-Oriented Petri Nets. Sensors, 2020, 20, 556.	3.8	21
22	Botnet Defense System and Its Basic Strategy Against Malicious Botnet. , 2020, , .		0
23	White-Hat Worm Launcher Based on Deep Learning in Botnet Defense System. , 2020, , .		1
24	IEEE Access Special Section Editorial: Recent Advances in Computational Intelligence Paradigms for Security and Privacy for Fog and Mobile Edge Computing. IEEE Access, 2019, 7, 134063-134070.	4.2	1
25	The Young Professionals Event at ICCE 2019 [Society News]. IEEE Consumer Electronics Magazine, 2019, 8, 7-7.	2.3	0
26	Young Professionals Events at the IEEE International Conference on Consumer Electronics Berlin 2018 [Society News]. IEEE Consumer Electronics Magazine, 2019, 8, 6-96.	2.3	0
27	Modeling and Evaluation of Mitigation Methods against IoT Malware Mirai with Agent-Oriented Petri Net PN2. International Journal of Internet of Things and Cyber-Assurance, 2019, 1, 1.	0.8	5
28	Flying Animals and the Art of Presentation [Society News]. IEEE Consumer Electronics Magazine, 2018, 7, 4-87.	2.3	1
29	Guest Editorial Deep Learning Models for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3166-3169.	11.3	2
30	A support tool to design IoT services with NuSMV. , 2017, , .		29
31	On modeling and simulation of the behavior of IoT malwares Mirai and Hajime. , 2017, , .		5
32	Structural and Behavioral Properties of Well-Structured Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 421-426.	0.3	0
33	Superclass Extraction Problem of Workflow Nets and a Solution Procedure Based on Process Mining Technique. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1700-1707.	0.3	1
34	On verification of implementation of security specification with Petri nets' protocol inheritance. , 2016, , .		0
35	An interest-based tour planning tool by process mining from Twitter. , 2016, , .		7
36	On service orchestration of cyber physical system and its verification based on Petri net. , 2016, , .		7

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37	An analysis system of IoT services based on agent-oriented Petri net PN2. , 2016, , .		14
38	Petri Net Based Refactoring of Workflows and Its Applications in System Development. Ieice Ess Fundamentals Review, 2016, 9, 340-349.	0.1	2
39	Implementation of parallel model checking for computer-based test security design. , 2016, , .		1
40	On service personalization analysis for the internet of me based on PN2. , 2016, , .		2
41	A Petri-net based approach for software evolution. , 2016, , .		2
42	Implicit Places and Refactoring in Sound Acyclic Extended Free Choice Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 502-508.	0.3	3
43	Properties and Decision Procedure for Bridge-Less Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 509-512.	0.3	1
44	A Refactoring Algorithm of Workflows Based on Petri Nets. , 2015, , .		4
45	State Number Calculation Problem of Workflow Nets. IEICE Transactions on Information and Systems, 2015, E98.D, 1128-1136.	0.7	14
46	Petri net-based parallel model checking with a splitting procedure. , 2015, , .		1
47	A function for generating debugging questions in a Java programming learning assistant system. , 2015, , .		2
48	A simplified mathematical modeling and zone scheduling for multi-directional multi-car elevators. , 2015, , .		1
49	DDoS detection and filtering technique in cloud environment using GARCH model. , 2015, , .		8
50	A Petri net-based framework of intrusion detection systems. , 2015, , .		8
51	Two Sufficient Conditions on Refactorizability of Acyclic Extended Free Choice Workflow Nets to Acyclic Well-Structured Workflow Nets and Their Application. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 635-644.	0.3	5
52	Tailor made device driver design system based on Petri nets. , 2014, , .		0
53	Éclair: An elevator group controller model checking system based on S-ring and SPIN. , 2014, , .		2
54	On State Number Calculation Problem in Petri Nets. , 2014, , .		0

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55	Proposal and evaluation of a state transition model of multi-car single-shaft elevators. , 2014, , .		1
56	Protocol Inheritance Preserving Soundizability Problem and Its Polynomial Time Procedure for Acyclic Free Choice Workflow Nets. IEICE Transactions on Information and Systems, 2014, E97.D, 1181-1187.	0.7	3
57	Reduction Operators Based on Behavioral Inheritance for Timed Petri Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 484-489.	0.3	0
58	Polynomial Time Verification of Reachability in Sound Extended Free-Choice Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 468-475.	0.3	11
59	Convertibility and Conversion Algorithm of Well-Structured Workflow Net to Process Tree. , 2013, , .		5
60	A formal method of developing elevator group controllers based on S-ring and SPIN. , 2013, , .		2
61	A Petri net based support for derivative development of consumer electronic products. , 2013, , .		1
62	Multi-car multi-shaft elevator system design problem and a solution method based on CPN tools. , 2013, , .		2
63	A verification method of soundizability under protocol inheritance for acyclic free choice workflow nets. , 2013, , .		0
64	Polynomial Time Verification of Protocol Inheritance between Acyclic Extended Free-Choice Workflow Nets and Their Subnets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 505-513.	0.3	7
65	Refactoring Problem of Acyclic Extended Free-Choice Workflow Nets to Acyclic Well-Structured Workflow Nets. IEICE Transactions on Information and Systems, 2012, E95.D, 1375-1379.	0.7	7
66	On projection inheritance between acyclic extended free-choice workflow net and its subnet. , 2012, , .		4
67	On Reachability in Acyclic Well-Structured Workflow Nets. , 2012, , .		2
68	An Efficient Translation Method from Timed Petri Nets to Timed Automata. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1402-1411.	0.3	1
69	Polynomial Time Verification of Behavioral Inheritance for Interworkflows Based on WfMC Protocol. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2821-2829.	0.3	3
70	Parallel Degree of Well-Structured Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2730-2739.	0.3	4
71	A Model Checking Method of Soundness for Workflow Nets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 2723-2731.	0.3	10
72	Evaluation and Consideration on Multi-Car Elevator Group Control Algorithms. Ieice Ess Fundamentals Review, 2008, 2, 58-65.	0.1	1