Samrat Mondal

List of Publications by Year
in descending order

71 papers	506 citations	758635 12 h-index	887659 17 g-index
71 all docs	71 docs citations	71 times ranked	341 citing authors

#	Article	IF	Citations
1	Optimal Sizing and Efficient Routing of Electric Vehicles for a Vehicle-on-Demand System. IEEE Transactions on Industrial Informatics, 2022, 18, 1489-1499.	7.2	4
2	SLAP: A Secure and Lightweight Authentication Protocol for machine-to-machine communication in industry 4.0. Computers and Electrical Engineering, 2022, 98, 107669.	3.0	11
3	Towards achieving efficient access control of medical data with both forward and backward secrecy. Computer Communications, 2022, 189, 36-52.	3.1	2
4	Blockchain-Enabled Emergency Detection and Response in Mobile Healthcare System. , 2022, , .		4
5	On designing an unaided authentication service with threat detection and leakage control for defeating opportunistic adversaries. Frontiers of Computer Science, 2021, 15, 1.	1.6	1
6	Intelligent charge scheduling and eco-routing mechanism for electric vehicles: A multi-objective heuristic approach. Sustainable Cities and Society, 2021, 69, 102820.	5.1	31
7	Exploiting similarities across multiple dimensions for author name disambiguation. Scientometrics, 2021, 126, 7525-7560.	1.6	6
8	A Graph Combination With Edge Pruning–Based Approach for Author Name Disambiguation. Journal of the Association for Information Science and Technology, 2020, 71, 69-83.	1.5	11
9	Scheduling Interdependent Smart Appliances with Mixed-Preemption Policy for Peak Load Minimization. IETE Journal of Research, 2020, 66, 797-805.	1.8	0
10	Towards Predicting Risk of Coronary Artery Disease from Semi-Structured Dataset. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 537-546.	2.2	2
11	Efficient Load Control Based Demand Side Management Schemes Towards a Smart Energy Grid System. Sustainable Cities and Society, 2020, 59, 102175.	5.1	14
12	Intelligent Scheduling of V2G, V2V, G2V Operations in a Smart Microgrid. , 2020, , .		2
13	Dispersion Ratio based Decision Tree Model for Classification. Expert Systems With Applications, 2019, 116, 1-9.	4.4	16
14	Divide-and-conquer based non-dominated sorting with Reduced Comparisons. Swarm and Evolutionary Computation, 2019, 51, 100580.	4.5	2
15	On Overcoming the Identified Limitations of a Usable PIN Entry Method. IEEE Access, 2019, 7, 124366-124378.	2.6	5
16	Intelligent Scheduling of Smart Appliances in Energy Efficient Buildings: A Practical Approach. , 2019, , .		1
17	Towards identifying and preventing behavioral side channel attack on recording attack resilient unaided authentication services. Computers and Security, 2019, 84, 193-205.	4.0	7
18	Towards incorporating honeywords in n‐session recording attack resilient unaided authentication services. IET Information Security, 2019, 13, 7-18.	1.1	2

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19	A Many Objective Optimization Based Entity Matching Framework for Bibliographic Database. , 2019, , .		0
20	Multiobjective Optimal Scheduling Framework for HVAC Devices in Energy-Efficient Buildings. IEEE Systems Journal, 2019, 13, 4398-4409.	2.9	14
21	A divide-and-conquer based efficient non-dominated sorting approach. Swarm and Evolutionary Computation, 2019, 44, 748-773.	4.5	14
22	Coordinated Scheduling of Residential Appliances and Heterogeneous Energy Sources in a Smart Microgrid. , 2019, , .		0
23	Efficient Scheduling of Nonpreemptive Appliances for Peak Load Optimization in Smart Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 3447-3458.	7.2	20
24	An Approach to Obtain the Upper Bound on the Number of Non-dominated Fronts in a Population. , 2018, , .		0
25	Work-in-Progress: Towards Optimal Scheduling of Thermal Comfortability and Smoothening of Load Profile in Energy Efficient Buildings. , 2018, , .		1
26	Towards Obtaining Upper Bound on Sensitivity Computation Process for Cluster Validity Measures. Fundamenta Informaticae, 2018, 163, 351-374.	0.3	1
27	On Evaluation of Entity Matching Techniques for Bibliographic Database. , 2018, , .		0
28	SGP: A Safe Graphical Password System Resisting Shoulder-Surfing Attack on Smartphones. Lecture Notes in Computer Science, 2018, , 129-145.	1.0	3
29	MBOS: Modified Best Order Sort Algorithm for Performing Non-Dominated Sorting. , 2018, , .		6
30	drPass: A Dynamic and Reusable Password Generator Protocol. Lecture Notes in Computer Science, 2018, , 407-426.	1.0	1
31	On Designing a Questionnaire Based Honeyword Generation Approach for Achieving Flatness. , 2018, , .		6
32	Multi-Objective Heuristic Charge Scheduling and Eco-Routing Mechanism for Electric Vehicles. , 2018, , .		2
33	An unsupervised heuristic based approach for author name disambiguation. , 2018, , .		5
34	GBOS: Generalized Best Order Sort algorithm for non-dominated sorting. Swarm and Evolutionary Computation, 2018, 43, 244-264.	4.5	17
35	GAEMTBD: Genetic algorithm based entity matching techniques for bibliographic databases. Applied Intelligence, 2017, 47, 197-230.	3.3	14
36	Intelligent Scheduling of Thermostatic Devices for Efficient Energy Management in Smart Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 2899-2910.	7.2	20

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37	On designing a modified-UI based honeyword generation approach for overcoming the existing limitations. Computers and Security, 2017, 66, 155-168.	4.0	22
38	Unsupervised method to ensemble results of multiple clustering solutions for bibliographic data. , 2017, , .		0
39	Improved solution to the non-domination level update problem. Applied Soft Computing Journal, 2017, 60, 336-362.	4.1	9
40	CETD: An efficient clustering based energy theft detection technique in smart grid. , 2017, , .		3
41	MinPeak: An intelligent scheduler for non-preemptive appliances in smart grid. , 2017, , .		0
42	SG-PASS: A Safe Graphical Password Scheme to Resist Shoulder Surfing and Spyware Attack. Lecture Notes in Computer Science, 2017, , 27-38.	1.0	0
43	SPOSS: Secure Pin-Based-Authentication Obviating Shoulder Surfing. Lecture Notes in Computer Science, 2016, , 66-86.	1.0	2
44	CRDT: Correlation Ratio Based Decision Tree Model for Healthcare Data Mining. , 2016, , .		8
45	An automatic framework for entity matching in bibliographic databases. , 2016, , .		5
46	Fast implementation of steady-state NSGA-II. , 2016, , .		6
47	MobSecure: A Shoulder Surfing Safe Login Approach Implemented on Mobile Device. Procedia Computer Science, 2016, 93, 854-861.	1.2	12
48	Towards Improving Storage Cost and Security Features of Honeyword Based Approaches. Procedia Computer Science, 2016, 93, 799-807.	1.2	8
49	A multiobjective optimization based entity matching technique for bibliographic databases. Expert Systems With Applications, 2016, 65, 100-115.	4.4	12
50	Divide and conquer based non-dominated sorting for parallel environment. , 2016, , .		19
51	On Designing Leakage-Resilient Vibration Based Authentication Techniques. , 2016, , .		1
52	Sensitivity - An Important Facet of Cluster Validation Process for Entity Matching Technique. Lecture Notes in Computer Science, 2016, , 1-39.	1.0	0
53	Few notes towards making honeyword system more secure and usable. , 2015, , .		9
54	On Validation of Clustering Techniques for Bibliographic Databases. , 2014, , .		7

#	Article	IF	Citations
55	Cluster validation techniques for Bibliographic databases. , 2014, , .		7
56	Color Pass: An intelligent user interface to resist shoulder surfing attack. , 2014, , .		16
57	An Improved Methodology towards Providing Immunity against Weak Shoulder Surfing Attack. Lecture Notes in Computer Science, 2014, , 298-317.	1.0	4
58	SLASS: Secure Login against Shoulder Surfing. Communications in Computer and Information Science, 2014, , 346-357.	0.4	3
59	Tag Digit Based Honeypot to Detect Shoulder Surfing Attack. Communications in Computer and Information Science, 2014, , 101-110.	0.4	5
60	Entity Matching Technique for Bibliographic Database. Lecture Notes in Computer Science, 2013, , 34-41.	1.0	9
61	A location sensitive access control system. , 2012, , .		0
62	Detecting policy misconfigurations in temporal domain using object priority. , 2012, , .		1
63	Security analysis of GTRBAC and its variants using model checking. Computers and Security, 2011, 30, 128-147.	4.0	14
64	Supporting Negative Authorization in Spatiotemporal Role Based Access Control. , 2009, , .		0
65	XML-based policy specification framework for spatiotemporal access control. , 2009, , .		3
66	Integrated Procedure Automating Test Chip Layout, Place and Route, and Test Plan Development for Efficient Parametric Device and Process Design. IEEE Transactions on Semiconductor Manufacturing, 2009, 22, 110-118.	1.4	3
67	Towards formal security analysis of GTRBAC using timed automata. , 2009, , .		20
68	Role Based Access Control with Spatiotemporal Context for Mobile Applications. Lecture Notes in Computer Science, 2009, , 177-199.	1.0	33
69	A novel high speed automatic layout system to place and route test structures for parametric test capability. , 2008, , .		3
70	Security Analysis of Temporal-RBAC Using Timed Automata. , 2008, , .		13
71	A Verification Framework for Temporal RBAC with Role Hierarchy (Short Paper). Lecture Notes in Computer Science, 2008, , 140-147.	1.0	4