# Dipankar Dasgupta

List of Publications by Year
in descending order

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|---|---|---|---|
| 48 papers | 2,116 citations | 858243<br>12 h-index | 843174<br>20 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 1483 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Machine learning in cybersecurity: a comprehensive survey. Journal of Defense Modeling and Simulation, 2022, 19, 57-106. | 1.2 | 55 |
| 2 | Negative Selection Algorithm Research and Applications in the Last Decade: A Review. IEEE Transactions on Artificial Intelligence, 2022, 3, 110-128. | 3.4 | 7 |
| 3 | Using Negative Detectors for Identifying Adversarial Data Manipulation in Machine Learning. , 2021, , . | | 3 |
| 4 | Analysis of Crypto-Ransomware Using ML-Based Multi-Level Profiling. IEEE Access, 2021, 9, 122532-122547. | 2.6 | 14 |
| 5 | Weighted quasiâ€arithmetic mean based score level fusion for multiâ€biometric systems. IET Biometrics, 2020, 9, 91-99. | 1.6 | 16 |
| 6 | Transforming Healthcare Cybersecurity from Reactive to Proactive: Current Status and Future Recommendations. Journal of Medical Systems, 2020, 44, 98. | 2.2 | 64 |
| 7 | A survey of blockchain from security perspective. Journal of Banking and Financial Technology, 2019, 3, 1-17. | 2.6 | 121 |
| 8 | Malware Analytics: Review of Data Mining, Machine Learning and Big Data Perspectives. , 2019, , . | | 9 |
| 9 | Design and implementation of Negative Authentication System. International Journal of Information Security, 2019, 18, 23-48. | 2.3 | 4 |
| 10 | A fuzzy decision support system for multifactor authentication. Soft Computing, 2018, 22, 3959-3981. | 2.1 | 8 |
| 11 | Multi-user permission strategy to access sensitive information. Information Sciences, 2018, 423, 24-49. | 4.0 | 6 |
| 12 | A Framework for Analyzing Ransomware using Machine Learning. , 2018, , . | | 48 |
| 13 | Effects of Cyber-Attacks on the Energy Storage in a Hybrid Power System. , 2018, , . | | 7 |
| 14 | Forensic Analysis of Ransomware Families Using Static and Dynamic Analysis. , 2018, , . | | 32 |
| 15 | RDS3: Ransomware defense strategy by using stealthily spare space. , 2017, , . | | 13 |
| 16 | Negative Authentication Systems. Infosys Science Foundation Series, 2017, , 85-145. | 0.3 | 4 |
| 17 | Distributed genetic algorithm to big data clustering. , 2016, , . | | 3 |
| 18 | Classification of Insider Threat Detection Techniques. , 2016, , . | | 36 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Toward the design of adaptive selection strategies for multi-factor authentication. Computers and Security, 2016, 63, 85-116. | 4.0 | 49 |
| 20 | An Adaptive Approach Towards the Selection of Multi-Factor Authentication. , 2015, , . | | 8 |
| 21 | OPNET/Simulink Based Testbed for Disturbance Detection in the Smart Grid. , 2015, , . | | 10 |
| 22 | Political Communities in Russian Portion of Liveournal. , 2014, , . | | 4 |
| 23 | G-NAS: A grid-based approach for negative authentication. , 2014, , . | | 6 |
| 24 | A Cyber-Security Storm MAP. , 2012, , . | | 0 |
| 25 | An effective network-based Intrusion Detection using Conserved Self Pattern Recognition Algorithm augmented with near-deterministic detector generation. , 2011, , . | | 6 |
| 26 | Effects of communication delays in electric grid. , 2011, , . | | 4 |
| 27 | Security visualization: Cyber security storm map and event correlation. , 2011, , . | | 4 |
| 28 | Evolving Gaming Strategies for Attacker-Defender in a Simulated Network Environment. , 2010, , . | | 9 |
| 29 | A Survey of Game Theory as Applied to Network Security. , 2010, , . | | 287 |
| 30 | Password Security through Negative Filtering. , 2010, , . | | 9 |
| 31 | Configurable and Secure System Architectures. , 2010, , . | | 0 |
| 32 | Visualization of security events using an efficient correlation technique. , 2009, , . | | 6 |
| 33 | Conserved Self Pattern Recognition Algorithm with Novel Detection Strategy Applied to Breast Cancer Diagnosis. Journal of Artificial Evolution and Applications, 2009, 2009, 1-12. | 1.8 | 2 |
| 34 | V-detector: An efficient negative selection algorithm with â€œprobably adequateâ€•detector coverage. Information Sciences, 2009, 179, 1390-1406. | 4.0 | 110 |
| 35 | An empirical comparison of memetic algorithm strategies on the multiobjective quadratic assignment problem. , 2009, , . | | 7 |
| 36 | On the use of informed initialization and extreme solutions sub-population in multi-objective evolutionary algorithms. , 2009, , . | | 12 |

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|---|---------|-----|-----------|
| 37 | An empirical study of Conserved Self Pattern Recognition Algorithm: Comparing to other one-class classifiers and evaluating with random number generators. , 2009, , . | | 1 |
| 38 | Characterizing comment spam in the blogosphere through content analysis. , 2009, , . | | 30 |
| 39 | Revisiting Negative Selection Algorithms. Evolutionary Computation, 2007, 15, 223-251. | 2.3 | 158 |
| 40 | A Framework for Evolving Multi-Shaped Detectors in Negative Selection. , 2007, , . | | 39 |
| 41 | Immuno-inspired autonomic system for cyber defense. Information Security Technical Report, 2007, 12, 235-241. | 1.3 | 25 |
| 42 | Advances in artificial immune systems. IEEE Computational Intelligence Magazine, 2006, 1, 40-49. | 3.4 | 374 |
| 43 | MILA â€" multilevel immune learning algorithm and its application to anomaly detection. Soft Computing, 2005, 9, 172-184. | 2.1 | 26 |
| 44 | Real-Valued Negative Selection Algorithm with Variable-Sized Detectors. Lecture Notes in Computer Science, 2004, , 287-298. | 1.0 | 178 |
| 45 | Immunity-Based Aircraft Fault Detection System. , 2004, , . | | 8 |
| 46 | Anomaly Detection Using Real-Valued Negative Selection. Genetic Programming and Evolvable Machines, 2003, 4, 383-403. | 1.5 | 238 |
| 47 | An Anomaly Entection Algorithm Inspired by the Immune Syste. , 1999, , 262-277. | | 36 |
| 48 | An evolutionary approach to generate fuzzy anomaly (attack) signatures. , 0, , . | | 15 |