# Sumit Soman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8103351/publications.pdf

Version: 2024-02-01

| 38 | 328 | 1162367 | 1058022 |
|---|---|---|---|
| papers | citations | 8 | 14 |
| | | h-index | g-index |

| 39 | 39 | 39 | 321 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Predicting Hospital Bed Occupancy: AÂPilot Evaluation for Tertiary Hospitals inÂIndia. Advances in Intelligent Systems and Computing, 2022, , 155-163. | 0.5 | 0 |
| 2 | Minimal Complexity Machines Under Weight Quantization. IEEE Transactions on Computers, 2021, 70, 1189-1198. | 2.4 | 1 |
| 3 | Kernel optimization using conformal maps for the minimal complexity machine. Engineering Applications of Artificial Intelligence, 2021, 106, 104493. | 4.3 | 1 |
| 4 | Sparsity in function and derivative approximation via the empirical feature space. Information Sciences, 2020, 512, 402-415. | 4.0 | 1 |
| 5 | Neurodynamical classifiers with low model complexity. Neural Networks, 2020, 132, 405-415. | 3.3 | 2 |
| 6 | A distributed architecture for hospital management systems with synchronized EHR. CSI Transactions on ICT, 2020, 8, 355-365. | 0.7 | 6 |
| 7 | QMCM: Minimizing Vapnikâ€™s bound on the VC dimension. Neurocomputing, 2020, 399, 352-360. | 3.5 | 8 |
| 8 | Learning from Low Training Data using Classifiers with Derivative Constraints. , 2019, , . | | 0 |
| 9 | Twin Neural Networks for the classification of large unbalanced datasets. Neurocomputing, 2019, 343, 34-49. | 3.5 | 19 |
| 10 | Integrating Drug Terminologies with Hospital Management Information Systems. , 2019, , . | | 3 |
| 11 | Ultra-Sparse Classifiers Through Minimizing the VC Dimension in the Empirical Feature Space. Neural Processing Letters, 2018, 48, 881-913. | 2.0 | 3 |
| 12 | EigenSample: A non-iterative technique for adding samples to small datasets. Applied Soft Computing Journal, 2018, 70, 1064-1077. | 4.1 | 14 |
| 13 | Non-Mercer Large Scale Multiclass Least Squares Minimal Complexity Machines. , 2018, , . | | 3 |
| 14 | Twin Neural Networks for Efficient EEG Signal Classification. , 2018, , . | | 7 |
| 15 | Streamlining Payment Workflows Using a Patient Wallet for Hospital Information Systems. , 2018, , . | | 7 |
| 16 | Eigen-MM: EigenAnt Modified Mtsls1 for local search. Swarm and Evolutionary Computation, 2018, 43, 166-183. | 4.5 | 1 |
| 17 | Large-Scale Minimal Complexity Machines Using Explicit Feature Maps. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2653-2662. | 5.9 | 9 |
| 18 | Continuity of Care Document for Hospital Management Systems. , 2017, , . | | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Twin SVM Minimizes the Total Risk. , 2017, , 395-405. | | 2 |
| 20 | Deep learning for health informatics: Recent trends and future directions. , 2017, , . | | 27 |
| 21 | An Approach for Implementation of SNOMED-CT in Healthcare Information Systems. , 2017, , . | | 0 |
| 22 | Improved sEMG signal classification using the Twin SVM. , 2016, , . | | 12 |
| 23 | HealthAnalytic: A concept application for customizable visualization and analysis of health informatics datasets. , 2016, , . | | 2 |
| 24 | EigenAnt assisted IACO<inf>â„</inf> for continuous global optimization. , 2016, , . | | 0 |
| 25 | Recent trends in neuromorphic engineering. Big Data Analytics, 2016, 1, . | 2.2 | 29 |
| 26 | Benchmarking NLopt and state-of-the-art algorithms for continuous global optimization via <mml:math altimg="si0042.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/. | 4.5 | 12 |
| 27 | Swar<br>Unique Health Identifier for India: An algorithm and feasibility analysis on patient data. , 2015, , . | | 12 |
| 28 | The MC-ELM: Learning an ELM-like network with minimum VC dimension. , 2015, , . | | 4 |
| 29 | High performance EEG signal classification using classifiability and the Twin SVM. Applied Soft Computing Journal, 2015, 30, 305-318. | 4.1 | 57 |
| 30 | Using Brain Computer Interface for Synthesized Speech Communication for the Physically Disabled. Procedia Computer Science, 2015, 46, 292-298. | 1.2 | 28 |
| 31 | Enhancing IACO R Local Search by Mtsls1-BFGS for Continuous Global Optimization. , 2015, , . | | 3 |
| 32 | Enhancing Incremental Ant Colony Algorithm for Continuous Global Optimization. , 2015, , . | | 2 |
| 33 | Controlling an arduino robot using Brain Computer Interface. , 2014, , . | | 23 |
| 34 | Improved classification of motor imagery datasets for BCI by using approximate entropy and WOSF features. , 2014, , . | | 6 |
| 35 | Vulnerability of Control Word in Conditional Access Systems Environment. Advanced Science Letters, 2014, 20, 487-491. | 0.2 | 0 |
| 36 | Transfer learning using adaptive SVM for image classification. , 2013, , . | | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Detecting eye movements in EEG for controlling devices. , 2012, , . | | 8 |
| 38 | High Performance EEG Signal Classification using Classifiability and the Twin SVM. Frontiers in Computational Neuroscience, 0, 9, . | 1.2 | 0 |