

Anand D Sarwate

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/537626/anand-d-sarwate-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

1,208
citations

18
h-index

32
g-index

98
ext. papers

1,519
ext. citations

4.5
avg, IF

4.92
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 83 | Network Traffic Shaping for Enhancing Privacy in IoT Systems. <i>IEEE/ACM Transactions on Networking</i> , 2022 , 1-16 | 3.8 | 2 |
| 82 | Privacy-preserving quality control of neuroimaging datasets in federated environments.. <i>Human Brain Mapping</i> , 2022 , | 5.9 | 1 |
| 81 | Decentralized Brain Age Estimation Using MRI Data.. <i>Neuroinformatics</i> , 2022 , 1 | 3.2 | |
| 80 | Quadratically Constrained Myopic Adversarial Channels. <i>IEEE Transactions on Information Theory</i> , 2022 , 1-1 | 2.8 | 0 |
| 79 | A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 6355-6370 | 4.8 | |
| 78 | Quantile Multi-Armed Bandits: Optimal Best-Arm Identification and a Differentially Private Scheme. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 534-548 | 2.5 | 1 |
| 77 | Decentralized Multisite VBM Analysis During Adolescence Shows Structural Changes Linked to Age, Body Mass Index, and Smoking: a COINSTAC Analysis. <i>Neuroinformatics</i> , 2021 , 19, 553-566 | 3.2 | 3 |
| 76 | Coordination Through Shared Randomness. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 4948-4974 | 4.8 | 1 |
| 75 | Sample Complexity Bounds for Dictionary Learning from Vector- and Tensor-Valued Data 2021 , 134-162 | | 0 |
| 74 | . <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 33-48 | 4.8 | 3 |
| 73 | Symmetrizability for Myopic AVCs 2020 , | | 1 |
| 72 | . <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 6539-6560 | 2.8 | 1 |
| 71 | Decentralized temporal independent component analysis: Leveraging fMRI data in collaborative settings. <i>NeuroImage</i> , 2019 , 186, 557-569 | 7.9 | 8 |
| 70 | . <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 2706-2726 | 2.8 | 11 |
| 69 | Using Noisy Binary Search for Differentially Private Anomaly Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 20-37 | 0.9 | 5 |
| 68 | Quadratically Constrained Myopic Adversarial Channels 2018 , | | 5 |
| 67 | Quadratically Constrained Channels with Causal Adversaries 2018 , | | 2 |

| | | | |
|----|--|-----|----|
| 66 | Distributed Differentially-Private Algorithms for Matrix and Tensor Factorization. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2018 , 12, 1449-1464 | 7.5 | 11 |
| 65 | 2018 , | | 3 |
| 64 | Defending Against Packet-Size Side-Channel Attacks in IoT Networks 2018 , | | 5 |
| 63 | Differentially Private Distributed Principal Component Analysis 2018 , | | 15 |
| 62 | . <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2018 , 12, 1047-1062 | 7.5 | 6 |
| 61 | . <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 6161-6179 | 2.8 | 31 |
| 60 | Robust Privacy-Utility Tradeoffs Under Differential Privacy and Hamming Distortion. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 2816-2830 | 8 | 17 |
| 59 | . <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4483-4498 | 5.9 | 6 |
| 58 | Decentralized independent vector analysis 2017 , | | 8 |
| 57 | STARK: Structured dictionary learning through rank-one tensor recovery 2017 , | | 9 |
| 56 | Identification of kronecker-structured dictionaries: An asymptotic analysis 2017 , | | 2 |
| 55 | Differentially-private canonical correlation analysis 2017 , | | 1 |
| 54 | Sample complexity bounds for dictionary learning of tensor data 2017 , | | 4 |
| 53 | A Unified Optimization Approach for Sparse Tensor Operations on GPUs 2017 , | | 23 |
| 52 | Differentially Private Noisy Search with Applications to Anomaly Detection (Abstract) 2017 , | | 1 |
| 51 | COINSTAC: Decentralizing the future of brain imaging analysis. <i>F1000Research</i> , 2017 , 6, 1512 | 3.6 | 15 |
| 50 | Symmetric matrix perturbation for differentially-private principal component analysis 2016 , | | 8 |
| 49 | Minimax lower bounds for Kronecker-structured dictionary learning 2016 , | | 7 |

| | | | |
|----|---|-----|----|
| 48 | Analysis of a privacy-preserving PCA algorithm using random matrix theory 2016 , | | 5 |
| 47 | A bit of delay is sufficient and stochastic encoding is necessary to overcome online adversarial erasures 2016 , | | 4 |
| 46 | Randomized requantization with local differential privacy 2016 , | | 24 |
| 45 | Privacy, security, and the public health researcher in the era of electronic health record research. <i>Online Journal of Public Health Informatics</i> , 2016 , 8, e207 | 0.3 | 2 |
| 44 | COINSTAC: A Privacy Enabled Model and Prototype for Leveraging and Processing Decentralized Brain Imaging Data. <i>Frontiers in Neuroscience</i> , 2016 , 10, 365 | 5.1 | 43 |
| 43 | Privacy-preserving source separation for distributed data using independent component analysis 2016 , | | 5 |
| 42 | Data-weighted ensemble learning for privacy-preserving distributed learning 2016 , | | 4 |
| 41 | Differentially Private Online Active Learning with Applications to Anomaly Detection 2016 , | | 4 |
| 40 | Optimal differential privacy mechanisms under Hamming distortion for structured source classes 2016 , | | 7 |
| 39 | Data-dependent bounds on network gradient descent 2016 , | | 1 |
| 38 | . <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 34-45 | 5.9 | 6 |
| 37 | 2015 , | | 22 |
| 36 | Learning from Data with Heterogeneous Noise using SGD. <i>JMLR Workshop and Conference Proceedings</i> , 2015 , 2015, 894-902 | | 2 |
| 35 | Designing Incentive Schemes for Privacy-Sensitive Users. <i>Journal of Privacy and Confidentiality</i> , 2015 , 7, | 1.5 | 3 |
| 34 | Incentive Schemes for Privacy-Sensitive Consumers. <i>Lecture Notes in Computer Science</i> , 2015 , 358-369 | 0.9 | 1 |
| 33 | Sharing privacy-sensitive access to neuroimaging and genetics data: a review and preliminary validation. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 35 | 3.9 | 40 |
| 32 | A rate-distortion perspective on local differential privacy 2014 , | | 24 |
| 31 | Redundancy of Exchangeable Estimators. <i>Entropy</i> , 2014 , 16, 5339-5357 | 2.8 | 1 |

| | | | |
|----|---|-------|-----|
| 30 | Upper Bounds on the Capacity of Binary Channels With Causal Adversaries. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 3753-3763 | 2.8 | 19 |
| 29 | Stochastic gradient descent with differentially private updates 2013 , | | 129 |
| 28 | Risk-limiting Audits and the Margin of Victory in Nonplurality Elections. <i>Statistics, Politics, and Policy</i> , 2013 , 4, | 0.4 | 2 |
| 27 | Signal Processing and Machine Learning with Differential Privacy: Algorithms and challenges for continuous data. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 86-94 | 9.4 | 87 |
| 26 | Assisted sampling of correlated sources 2013 , | | 1 |
| 25 | Privacy technology to support data sharing for comparative effectiveness research: a systematic review. <i>Medical Care</i> , 2013 , 51, S58-65 | 3.1 | 26 |
| 24 | The Impact of Mobility on Gossip Algorithms. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1731-1742 | 2.8 | 31 |
| 23 | List-Decoding for the Arbitrarily Varying Channel Under State Constraints. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1372-1384 | 2.8 | 10 |
| 22 | Improved upper bounds on the capacity of binary channels with causal adversaries 2012 , | | 9 |
| 21 | An AVC perspective on correlated jamming 2012 , | | 10 |
| 20 | Distributed learning from social sampling 2012 , | | 3 |
| 19 | Protecting count queries in study design. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 750-7 | 8.6 | 18 |
| 18 | Opinion dynamics and distributed learning of distributions 2011 , | | 3 |
| 17 | Differentially Private Empirical Risk Minimization. <i>Journal of Machine Learning Research</i> , 2011 , 12, 1069-1109 | 11.09 | 161 |
| 16 | Coding against delayed adversaries 2010 , | | 12 |
| 15 | A little feedback can simplify sensor network cooperation. <i>IEEE Journal on Selected Areas in Communications</i> , 2010 , 28, 1159-1168 | 14.2 | 2 |
| 14 | Coding against myopic adversaries 2010 , | | 12 |
| 13 | Zero-Rate Feedback Can Achieve the Empirical Capacity. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 25-39 | 2.8 | 21 |

| | | | |
|----|---|-----|-----|
| 12 | Rateless Codes for AVC Models. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 3105-3114 | 2.8 | 12 |
| 11 | Some observations on limited feedback for multiaccess channels 2009 , | | 5 |
| 10 | Reaching consensus in wireless networks with probabilistic broadcast 2009 , | | 13 |
| 9 | Broadcast gossip algorithms: Design and analysis for consensus 2008 , | | 18 |
| 8 | Geographic Gossip: Efficient Averaging for Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 1205-1216 | 4.8 | 118 |
| 7 | Arbitrarily dirty paper coding and applications 2008 , | | 7 |
| 6 | Using zero-rate feedback on binary additive channels with individual noise sequences 2007 , | | 3 |
| 5 | Rateless coding with partial CSI at the decoder 2007 , | | 3 |
| 4 | Channels with nosy "noise" 2007 , | | 7 |
| 3 | Spatial Filtering in Sensor Networks with Computation Codes 2007 , | | 2 |
| 2 | Randomization bounds on Gaussian arbitrarily varying channels 2006 , | | 4 |
| 1 | Exact emulation of a priority queue with a switch and delay lines. <i>Queueing Systems</i> , 2006 , 53, 115-125 | 1.7 | 45 |