

# Stefan Vlaski

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

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citations

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times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regularized Diffusion Adaptation via Conjugate Smoothing. IEEE Transactions on Automatic Control, 2022, 67, 2343-2358.	3.6	3
2	Second-Order Guarantees of Stochastic Gradient Descent in Nonconvex Optimization. IEEE Transactions on Automatic Control, 2022, 67, 6489-6504.	3.6	5
3	Dif-MAML: Decentralized Multi-Agent Meta-Learning. IEEE Open Journal of Signal Processing, 2022, 3, 71-93.	2.3	11
4	Optimal Combination Policies for Adaptive Social Learning. , 2022, , .		4
5	Decentralized Learning in the Presence of Low-Rank Noise. , 2022, , .		0
6	Distributed Learning in Non-Convex Environmentsâ€™ Part II: Polynomial Escape From Saddle-Points. IEEE Transactions on Signal Processing, 2021, 69, 1257-1270.	3.2	16
7	Graph-Homomorphic Perturbations for Private Decentralized Learning. , 2021, , .		4
8	Gramian-Based Adaptive Combination Policies for Diffusion Learning Over Networks. , 2021, , .		1
9	Optimal Importance Sampling for Federated Learning. , 2021, , .		21
10	Social Learning Under Inferential Attacks. , 2021, , .		3
11	Network Classifiers Based on Social Learning. , 2021, , .		4
12	Competing Adaptive Networks. , 2021, , .		1
13	Distributed Learning in Non-Convex Environmentsâ€™Part I: Agreement at a Linear Rate. IEEE Transactions on Signal Processing, 2021, 69, 1242-1256.	3.2	25
14	Distributed Meta-Learning with Networked Agents. , 2021, , .		3
15	Online Graph Learning from Social Interactions. , 2021, , .		5
16	Learning Over Multitask Graphsâ€™Part II: Performance Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 46-63.	2.3	3
17	Adaptation and learning over networks under subspace constraints Part II: Performance Analysis. IEEE Transactions on Signal Processing, 2020, , 1-1.	3.2	10
18	Learning Over Multitask Graphsâ€™Part I: Stability Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 28-45.	2.3	17

#	ARTICLE	IF	CITATIONS
19	Tracking Performance of Online Stochastic Learners. IEEE Signal Processing Letters, 2020, 27, 1385-1389.	2.1	3
20	Linear Speedup in Saddle-Point Escape for Decentralized Non-Convex Optimization. , 2020, , .		0
21	Dynamic Federated Learning. , 2020, , .		16
22	Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. IEEE Signal Processing Magazine, 2020, 37, 14-25.	4.6	57
23	Adaptation and Learning Over Networks Under Subspace Constraintsâ€™Part I: Stability Analysis. IEEE Transactions on Signal Processing, 2020, 68, 1346-1360.	3.2	19
24	Second-order guarantees in centralized, federated and decentralized nonconvex optimization. Communications in Information and Systems, 2020, 20, 353-388.	0.3	4
25	Second-Order Guarantees in Federated Learning. , 2020, , .		2
26	Distributed Inference over Networks under Subspace Constraints. , 2019, , .		11
27	Diffusion Learning in Non-convex Environments. , 2019, , .		9
28	Polynomial Escape-Time from Saddle Points in Distributed Non-Convex Optimization. , 2019, , .		1
29	Distributed Learning over Networks under Subspace Constraints. , 2019, , .		1
30	Enhanced Diffusion Learning Over Networks. , 2019, , .		3
31	Stochastic Learning Under Random Reshuffling With Constant Step-Sizes. IEEE Transactions on Signal Processing, 2019, 67, 474-489.	3.2	13
32	A Regularization Framework for Learning Over Multitask Graphs. IEEE Signal Processing Letters, 2019, 26, 297-301.	2.1	14
33	ONLINE GRAPH LEARNING FROM SEQUENTIAL DATA. , 2018, , .		22
34	Distributed Inference Over Multitask Graphs Under Smoothness. , 2018, , .		5
35	On the performance of random reshuffling in stochastic learning. , 2017, , .		3
36	A blind Adaptive Stimulation Artifact Rejection (ASAR) engine for closed-loop implantable neuromodulation systems. , 2017, , .		15

#	ARTICLE	IF	CITATIONS
37	The brain strategy for online learning. , 2016, , .		0
38	Stochastic gradient descent with finite samples sizes. , 2016, , .		16
39	Diffusion stochastic optimization with non-smooth regularizers. , 2016, , .		14
40	Proximal diffusion for stochastic costs with non-differentiable regularizers. , 2015, , .		9
41	Robust bootstrap methods with an application to geolocation in harsh LOS/NLOS environments. , 2014, , .		3
42	Robust bootstrap based observation classification for Kalman Filtering in harsh LOS/NLOS environments. , 2014, , .		0