

Ermin Wei

List of Publications by Year in descending order

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36
papers

998
citations

1040056

9
h-index

1058476

14
g-index

36
all docs

36
docs citations

36
times ranked

830
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Alternating Direction Method of Multipliers. , 2012, , .		224
2	On the $O(1/k)$ convergence of asynchronous distributed alternating Direction Method of Multipliers. , 2013, , .		209
3	A Distributed Newton Method for Network Utility Maximizationâ€”I: Algorithm. IEEE Transactions on Automatic Control, 2013, 58, 2162-2175.	5.7	167
4	A distributed Newton method for Network Utility Maximization. , 2010, , .		63
5	Balancing Communication and Computation in Distributed Optimization. IEEE Transactions on Automatic Control, 2019, 64, 3141-3155.	5.7	53
6	A Distributed Newton Method for Network Utility Maximizationâ€”Part II: Convergence. IEEE Transactions on Automatic Control, 2013, 58, 2176-2188.	5.7	50
7	A Fast Distributed Asynchronous Newton-Based Optimization Algorithm. IEEE Transactions on Automatic Control, 2020, 65, 2769-2784.	5.7	26
8	Superlinearly convergent asynchronous distributed network newton method. , 2017, , .		23
9	Scalable Spectrum Allocation and User Association in Networks With Many Small Cells. IEEE Transactions on Communications, 2017, 65, 2931-2942.	7.8	21
10	Faithful Edge Federated Learning: Scalability and Privacy. IEEE Journal on Selected Areas in Communications, 2021, 39, 3790-3804.	14.0	20
11	Investment in EV Charging Spots for Parking. IEEE Transactions on Network Science and Engineering, 2020, 7, 650-661.	6.4	12
12	A Two-Stage Decomposition Approach for AC Optimal Power Flow. IEEE Transactions on Power Systems, 2021, 36, 303-312.	6.5	11
13	On dual convergence of the distributed Newton method for Network Utility Maximization. , 2011, , .		10
14	A Business Model Analysis of Mobile Data Rewards. , 2019, , .		10
15	Competitive equilibrium in electricity markets with heterogeneous users and price fluctuation penalty. , 2014, , .		9
16	A General Framework of Exact Primal-Dual First-Order Algorithms for Distributed Optimization. , 2019, , .		9
17	FlexPD: A Flexible Framework of First-Order Primal-Dual Algorithms for Distributed Optimization. IEEE Transactions on Signal Processing, 2021, 69, 3500-3512.	5.3	9
18	A distributed newton method for dynamic Network Utility Maximization with delivery contracts. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
19	Large-Scale Spectrum Allocation for Cellular Networks via Sparse Optimization. IEEE Transactions on Signal Processing, 2018, 66, 5470-5483.	5.3	8
20	Nested Distributed Gradient Methods with Adaptive Quantized Communication. , 2019, , .		8
21	Monetizing Mobile Data via Data Rewards. IEEE Journal on Selected Areas in Communications, 2020, 38, 782-792.	14.0	8
22	Optimal and Quantized Mechanism Design for Fresh Data Acquisition. IEEE Journal on Selected Areas in Communications, 2021, 39, 1226-1239.	14.0	8
23	On the Convergence of Nested Decentralized Gradient Methods With Multiple Consensus and Gradient Steps. IEEE Transactions on Signal Processing, 2021, 69, 4192-4203.	5.3	7
24	Analyzing Location-Based Advertising for Vehicle Service Providers Using Effective Resistances. , 2019, , .		5
25	DYNAMIC PRICE DISCRIMINATION IN DEMAND RESPONSE MARKET: A BILEVEL GAME THEORETICAL MODEL. , 2018, , .		4
26	Improving social welfare by demand response general framework and quantitative characterization. , 2017, , .		3
27	Price and Capacity Competition for EV parking with Government Mandates. , 2018, , .		3
28	Distributed Multi-agent Video Fast-forwarding. , 2020, , .		3
29	Fairness considerations in network flow problems. , 2015, , .		2
30	Nested Distributed Gradient Methods with Stochastic Computation Errors. , 2019, , .		2
31	Parallel multi-splitting proximal method for star networks. , 2017, , .		1
32	A General Sensitivity Analysis Approach for Demand Response Optimizations. IEEE Transactions on Network Science and Engineering, 2021, 8, 40-52.	6.4	1
33	On the Convergence of NEAR-DGD for Nonconvex Optimization with Second Order Guarantees. , 2021, , .		1
34	Renewable generation investment with differentiated downstream competition. , 2019, , .		0
35	Optimal Mechanism Design for Fresh Data Acquisition. , 2021, , .		0
36	Analyzing Location-Based Advertising for Vehicle Service Providers Using Effective Resistances. Performance Evaluation Review, 2019, 47, 37-38.	0.6	0