

# Peng Yi

## List of Publications by Year in descending order

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48  
papers

1,782  
citations

516710

16  
h-index

434195

31  
g-index

48  
all docs

48  
docs citations

48  
times ranked

789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Initialization-free distributed algorithms for optimal resource allocation with feasibility constraints and application to economic dispatch of power systems. <i>Automatica</i> , 2016, 74, 259-269.	5.0	326
2	Distributed gradient algorithm for constrained optimization with application to load sharing in power systems. <i>Systems and Control Letters</i> , 2015, 83, 45-52.	2.3	235
3	Distributed Nash equilibrium seeking for aggregative games with coupled constraints. <i>Automatica</i> , 2017, 85, 179-185.	5.0	179
4	Distributed Continuous-Time Algorithm for Constrained Convex Optimizations via Nonsmooth Analysis Approach. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5227-5233.	5.7	162
5	An operator splitting approach for distributed generalized Nash equilibria computation. <i>Automatica</i> , 2019, 102, 111-121.	5.0	151
6	Quantized Subgradient Algorithm and Data-Rate Analysis for Distributed Optimization. <i>IEEE Transactions on Control of Network Systems</i> , 2014, 1, 380-392.	3.7	129
7	Distributed Generalized Nash Equilibria Computation of Monotone Games via Double-Layer Preconditioned Proximal-Point Algorithms. <i>IEEE Transactions on Control of Network Systems</i> , 2019, 6, 299-311.	3.7	61
8	Distributed Continuous-Time Algorithms for Nonsmooth Extended Monotropic Optimization Problems. <i>SIAM Journal on Control and Optimization</i> , 2018, 56, 3973-3993.	2.1	59
9	Dynamic optimization for multi-agent systems with external disturbances. <i>Control Theory and Technology</i> , 2014, 12, 132-138.	1.6	49
10	Asynchronous Distributed Algorithms for Seeking Generalized Nash Equilibria Under Full and Partial-Decision Information. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2514-2526.	9.5	48
11	Distributed Optimization Design of Continuous-Time Multiagent Systems With Unknown-Frequency Disturbances. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 2058-2066.	9.5	46
12	Distributed algorithm for $\mu$ -generalized Nash equilibria with uncertain coupled constraints. <i>Automatica</i> , 2021, 123, 109313.	5.0	35
13	Distributed resource allocation over random networks based on stochastic approximation. <i>Systems and Control Letters</i> , 2018, 114, 44-51.	2.3	33
14	A distributed primal-dual algorithm for computation of generalized Nash equilibria via operator splitting methods. , 2017, , .		32
15	Distributed Algorithm for Robust Resource Allocation with Polyhedral Uncertain Allocation Parameters. <i>Journal of Systems Science and Complexity</i> , 2018, 31, 103-119.	2.8	26
16	Potential game design for a class of distributed optimisation problems. <i>Journal of Control and Decision</i> , 2014, 1, 166-179.	1.6	25
17	Stochastic sub-gradient algorithm for distributed optimization with random sleep scheme. <i>Control Theory and Technology</i> , 2015, 13, 333-347.	1.6	24
18	Distributed coordination for a class of nonlinear multi-agent systems with regulation constraints. <i>IET Control Theory and Applications</i> , 2018, 12, 1-9.	2.1	16

#	ARTICLE	IF	CITATIONS
19	Distributed Algorithms with Finite Data Rates that Solve Linear Equations. SIAM Journal on Optimization, 2020, 30, 1191-1222.	2.0	16
20	Asynchronous Distributed Power Control of Multimicrogrid Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 1960-1973.	3.7	15
21	Distributed continuous-time gradient-based algorithm for constrained optimization. , 2014, , .		11
22	Distributed policy evaluation via inexact ADMM in multi-agent reinforcement learning. Control Theory and Technology, 2020, 18, 362-378.	1.6	10
23	Distributed optimization design based on passivity technique. , 2016, , .		9
24	Projected primal-dual gradient flow of augmented Lagrangian with application to distributed maximization of the algebraic connectivity of a network. Automatica, 2018, 98, 34-41.	5.0	9
25	Distributed continuous-time algorithm for robust resource allocation problems using output feedback. , 2017, , .		8
26	Distributed Time-Varying Convex Optimization With Dynamic Quantization. IEEE Transactions on Cybernetics, 2023, 53, 1078-1092.	9.5	8
27	Distributed Nash equilibrium seeking of a class of aggregative games. , 2017, , .		7
28	Asynchronous distributed algorithm for seeking generalized Nash equilibria. , 2018, , .		6
29	Quantized Gradient-Descent Algorithm for Distributed Resource Allocation. Unmanned Systems, 2019, 07, 119-136.	3.6	5
30	Distributed Nonsmooth Convex Optimization over Markovian Switching Random Networks with Two Step-Sizes. Journal of Systems Science and Complexity, 2021, 34, 1324-1344.	2.8	5
31	Distributed Gradient Tracking Methods with Finite Data Rates. Journal of Systems Science and Complexity, 2021, 34, 1927-1952.	2.8	5
32	Nash equilibrium seeking over directed graphs. Autonomous Intelligent Systems, 2022, 2, 1.	3.1	5
33	Prescribed performance tracking for a class of uncertain nonlinear systems with actuator failures. International Journal of Robust and Nonlinear Control, 2022, 32, 7223-7239.	3.7	5
34	A gradient-based dissipative continuous-time algorithm for distributed optimization. , 2016, , .		4
35	Exponentially convergent distributed Nash equilibrium seeking for constrained aggregative games. Autonomous Intelligent Systems, 2022, 2, 1.	3.1	4
36	Distributed best response dynamics for Nash equilibrium seeking in potential games. Control Theory and Technology, 2020, 18, 324-332.	1.6	3

#	ARTICLE	IF	CITATIONS
37	A Communication-efficient Linearly Convergent Algorithm with Variance Reduction for Distributed Stochastic Optimization. , 2020, , .		3
38	New directions in distributed Nash equilibrium seeking based on monotone operator theory. Control Theory and Technology, 2020, 18, 333-335.	1.6	2
39	Distributed Linear Equations Over Random Networks. IEEE Transactions on Automatic Control, 2023, 68, 2607-2614.	5.7	2
40	Droop control of microgrids based on distributed optimization. , 2015, , .		1
41	Distributed algorithm for generalized Nash equilibria seeking of network aggregative game. , 2017, , .		1
42	Distributed Optimization Over Markovian Switching Random Network. , 2020, , .		1
43	No-regret learning for repeated concave games with lossy bandits. , 2021, , .		1
44	Convergence analysis of accelerated distributed gradient methods with random sleeping scheme. , 2016, , .		0
45	Distributed Constrained Optimization Using a Projected Differential Inclusion. , 2018, , .		0
46	Network Linear Equations with Finite Data Rates. , 2018, , .		0
47	Multiple Timescale Online Learning Rules for Information Maximization with Energetic Constraints. Neural Computation, 2019, 31, 943-979.	2.2	0
48	Synthesis of recurrent neural dynamics for monotone inclusion with application to Bayesian inference. Neural Networks, 2020, 131, 231-241.	5.9	0