Zhuchun Li

List of Publications by Year
in descending order

17	364	840776 11	888059 17
papers	citations	h-index	g-index

17	17	17	159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of phase-locked states in a population of locally interacting Kuramoto oscillators. Journal of Differential Equations, 2013, 255, 3053-3070.	2.2	67
2	Complete entrainment of Kuramoto oscillators with inertia on networks via gradient-like flow. Journal of Differential Equations, 2014, 257, 2591-2621.	2.2	36
3	Outer synchronization of coupled networks using arbitrary coupling strength. Chaos, 2010, 20, 023106.	2.5	35
4	Emergent phenomena in an ensemble of Cuckerâ€“Smale particles under joint rooted leadership. Mathematical Models and Methods in Applied Sciences, 2014, 24, 1389-1419.	3.3	32
5	Synchronization and Transient Stability in Power Grids Based on Åojasiewicz Inequalities. SIAM Journal on Control and Optimization, 2014, 52, 2482-2511.	2.1	30
6	Asymptotic Stability Analysis of a Kind of Switched Positive Linear Discrete Systems $ $. IEEE Transactions on Automatic Control, 2010, 55, 2198-2203.	5.7	29
7	Synchronization of nonuniform Kuramoto oscillators for power grids with general connectivity and dampings. Nonlinearity, 2019, 32, 559-583.	1.4	27
8	Overviews on the applications of the Kuramoto model in modern power system analysis. International Journal of Electrical Power and Energy Systems, 2021, 129, 106804.	5.5	22
9	Complete synchronization of Kuramoto oscillators with hierarchical leadership. Communications in Mathematical Sciences, 2014, 12, 485-508.	1.0	21
10	Uniqueness and well-ordering of emergent phase-locked states for the Kuramoto model with frustration and inertia. Mathematical Models and Methods in Applied Sciences, 2016, 26, 357-382.	3.3	21
11	Emergent Dynamics of Kuramoto Oscillators with Adaptive Couplings: Conservation Law and Fast Learning. SIAM Journal on Applied Dynamical Systems, 2018, 17, 1560-1588.	1.6	12
12	On the Åojasiewicz exponent of Kuramoto model. Journal of Mathematical Physics, 2015, 56, .	1.1	11
13	Convergence of analytic gradient-type systems with periodicity and its applications in Kuramoto models. Applied Mathematics Letters, 2019, 90, 194-201.	2.7	8
14	Stability in a Hebbian Network of Kuramoto Oscillators with Second-Order Couplings for Binary Pattern Retrieve. SIAM Journal on Applied Dynamical Systems, 2020, 19, 1124-1159.	1.6	5
15	Synchronization in adaptive Kuramoto oscillators for power grids with dynamic voltages. Nonlinearity, 2020, 33, 6624-6661.	1.4	4
16	Hebbian Network of Kuramoto Oscillators with Second-Order Couplings for Binary Pattern Retrieve: II. Nonorthogonal Standard Patterns and Structural Stability. SIAM Journal on Applied Dynamical Systems, 2022, 21, 102-136.	1.6	3
17	Synchronous harmony in an ensemble of Hamiltonian mean-field oscillators and inertial Kuramoto oscillators. Chaos, 2018, 28, 113112.	2.5	1