Wei Li

List of Publications by Year
in descending order

17 papers	358 citations	1040056 9 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	404 citing authors

#	Article	IF	Citations
1	Exponential Consensus of Coupled Inertial Agents With the Fully Heterogeneous and Fully Variable Setting of the Control Gains. IEEE Transactions on Cybernetics, 2022, 52, 887-898.	9.5	0
2	Online and Unsupervised Anomaly Detection for Streaming Data Using an Array of Sliding Windows and PDDs. IEEE Transactions on Cybernetics, 2021, 51, 2284-2289.	9.5	22
3	A Riemannian nonmonotone spectral method for self-adjoint tangent vector field. Applied Numerical Mathematics, 2021, 161, 208-217.	2.1	0
4	Cooperative control of double-integrator agents with heterogeneous control gains: Exponential consensus conditions and the heterogeneity-metric. Automatica, 2021, 129, 109593.	5.0	1
5	Design of an Accurate Yet Low-Cost Distributed Module for Vehicular Relative Positioning: Hardware Prototype Design and Algorithms. IEEE Transactions on Vehicular Technology, 2019, 68, 4494-4501.	6.3	1
6	Kinematic Characterization of a Target-Defense Problem With an Interception and Expelling Strategy. IEEE Transactions on Cybernetics, 2019, 49, 3607-3615.	9.5	2
7	The Constrained Rayleigh Quotient With a General Orthogonality Constraint and an Eigen-Balanced Laplacian Matrix: The Greatest Lower Bound and Applications in Cooperative Control Problems. IEEE Transactions on Automatic Control, 2018, 63, 4024-4031.	5.7	13
8	Formation-Preserving Properties of Cooperative Kinematic Agents With or Without External Influence of Target Attraction. IEEE Transactions on Automatic Control, 2018, 63, 1737-1744.	5.7	3
9	The Designated Convergence Rate Problem of Consensus or Flocking of Double-Integrator Agents With General Non-Equal Velocity and Position Couplings. IEEE Transactions on Automatic Control, 2017, 62, 412-418.	5.7	20
10	The Designated Convergence Rate Problems of Consensus or Flocking of Double-Integrator Agents With General Nonequal Velocity and Position Couplings: Further Results and Patterns of Convergence Rate Contours. IEEE Transactions on Cybernetics, 2017, 47, 1325-1335.	9.5	8
11	Escape Analysis on the Confinement-Escape Problem of a Defender Against an Evader Escaping From a Circular Region. IEEE Transactions on Cybernetics, 2016, 46, 2166-2172.	9.5	18
12	Notion of Control-Law Module and Modular Framework of Cooperative Transportation Using Multiple Nonholonomic Robotic Agents With Physical Rigid-Formation-Motion Constraints. IEEE Transactions on Cybernetics, 2016, 46, 1242-1248.	9.5	90
13	Unified Generic Geometric-Decompositions for Consensus or Flocking Systems of Cooperative Agents and Fast Recalculations of Decomposed Subsystems Under Topology-Adjustments. IEEE Transactions on Cybernetics, 2016, 46, 1463-1470.	9.5	6
14	Motion patterns and phase-transition of a defenderâ€“intruder problem and optimal interception strategy of the defender. Communications in Nonlinear Science and Numerical Simulation, 2015, 27, 294-301.	3.3	11
15	Unified Cooperative Control of Multiple Agents on a Sphere for Different Spherical Patterns. IEEE Transactions on Automatic Control, 2014, 59, 1283-1289.	5.7	55
16	Analysis of Flocking of Cooperative Multiple Inertial Agents via A Geometric Decomposition Technique. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1611-1623.	9.3	39
17	Stability Analysis of Swarms With General Topology. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1084-1097.	5.0	69