Jun Moon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6643743/publications.pdf

Version: 2024-02-01

58	566	758635	713013
papers	citations	12 h-index	21 g-index

60	60	60	293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear Quadratic Risk-Sensitive and Robust Mean Field Games. IEEE Transactions on Automatic Control, 2017, 62, 1062-1077.	3.6	93
2	Linear quadratic mean field Stackelberg differential games. Automatica, 2018, 97, 200-213.	3.0	71
3	Minimax control over unreliable communication channels. Automatica, 2015, 59, 182-193.	3.0	25
4	A Sufficient Condition for Linear-Quadratic Stochastic Zero-Sum Differential Games for Markov Jump Systems. IEEE Transactions on Automatic Control, 2019, 64, 1619-1626.	3.6	22
5	Generalized Risk-Sensitive Optimal Control and Hamiltonâ€“Jacobiâ€“Bellman Equation. IEEE Transactions on Automatic Control, 2021, 66, 2319-2325.	3.6	22
6	Robust mean field games for coupled Markov jump linear systems. International Journal of Control, 2016, 89, 1367-1381.	1.2	20
7	A nonlinear hybrid controller for swinging-up and stabilizing the rotary inverted pendulum. Nonlinear Dynamics, 2021, 104, 1117-1137.	2.7	20
8	Risk-Sensitive Zero-Sum Differential Games. IEEE Transactions on Automatic Control, 2019, 64, 1503-1518.	3.6	19
9	Risk-sensitive control of Markov jump linear systems: Caveats and difficulties. International Journal of Control, Automation and Systems, 2017, 15, 462-467.	1.6	18
10	Linear Exponential Quadratic Control for Mean Field Stochastic Systems. IEEE Transactions on Automatic Control, 2019, 64, 5094-5100.	3.6	18
11	Fuzzy-Based Super-Twisting Sliding Mode Stabilization Control for Under-Actuated Rotary Inverted Pendulum Systems. IEEE Access, 2020, 8, 185079-185092.	2.6	17
12	Linearâ€“quadratic mean field stochastic zero-sum differential games. Automatica, 2020, 120, 109067.	3.0	16
13	A Simple Proof of Indefinite Linear-Quadratic Stochastic Optimal Control With Random Coefficients. IEEE Transactions on Automatic Control, 2020, 65, 5422-5428.	3.6	15
14	Linear-quadratic stochastic differential Stackelberg games with a high population of followers. , 2015, , .		13
15	Linear-Quadratic Stochastic Stackelberg Differential Games for Jump-Diffusion Systems. SIAM Journal on Control and Optimization, 2021, 59, 954-976.	1.1	13
16	Leaderâ€“follower decentralized optimal control for large population hexarotors with tilted propellers: A Stackelberg game approach. Journal of the Franklin Institute, 2019, 356, 6175-6207.	1.9	11
17	Super-twisting observer-based sliding mode control with fuzzy variable gains and its applications to fully-actuated hexarotors. Journal of the Franklin Institute, 2019, 356, 4270-4303.	1.9	11
18	Finiteâ€time disturbance observerâ€based modified superâ€twisting algorithm for systems with mismatched disturbances: Application to fixedâ€wing UAVs under wind disturbances. International Journal of Robust and Nonlinear Control, 2021, 31, 7317-7343.	2.1	11

#	Article	IF	Citations
19	Minimax estimation with intermittent observations. Automatica, 2015, 62, 122-133.	3.0	10
20	Risk-Sensitive Mean Field Games via the Stochastic Maximum Principle. Dynamic Games and Applications, 2019, 9, 1100-1125.	1.1	10
21	The risk-sensitive maximum principle for controlled forwardâ€“backward stochastic differential equations. Automatica, 2020, 120, 109069.	3.0	10
22	Linear-Quadratic Time-Inconsistent Mean-Field Type Stackelberg Differential Games: Time-Consistent Open-Loop Solutions. IEEE Transactions on Automatic Control, 2021, 66, 375-382.	3.6	10
23	Reference Modulation for Performance Enhancement of Motion Control Systems With Nonlinear Parameter Variations. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2040-2051.	3.7	9
24	Necessary and sufficient conditions of riskâ€sensitive optimal control and differential games for stochastic differential delayed equations. International Journal of Robust and Nonlinear Control, 2019, 29, 4812-4827.	2.1	9
25	Disturbance Observer-Based Continuous Finite-Time Sliding Mode Control against Matched and Mismatched Disturbances. Complexity, 2020, 2020, 1-14.	0.9	7
26	Linear-quadratic mean-field type stackelberg differential games for stochastic jump-diffusion systems. Mathematical Control and Related Fields, 2022, 12, 371.	0.6	7
27	Riskâ€sensitive maximum principle for stochastic optimal control of meanâ€field type Markov regimeâ€switching jumpâ€diffusion systems. International Journal of Robust and Nonlinear Control, 2021, 31, 2141-2167.	2.1	7
28	Riccati Equations in Nash and Stackelberg Differential and Dynamic Games. IFAC-PapersOnLine, 2017, 50, 9547-9554.	0.5	6
29	Zero-sum differential games on the Wasserstein space. Communications in Information and Systems, 2021, 21, 219-251.	0.3	6
30	Deep reinforcement learning-based model-free path planning and collision avoidance for UAVs: A soft actorâ€“critic with hindsight experience replay approach. ICT Express, 2023, 9, 403-408.	3.3	6
31	Static Optimal Sensor Selection via Linear Integer Programming: The Orthogonal Case. IEEE Signal Processing Letters, 2017, 24, 953-957.	2.1	4
32	Extended State Observer Based Robust Position Tracking Control Using Nonlinear Damping Gain for Quadrotors With External Disturbance. IEEE Access, 2020, 8, 174558-174567.	2.6	4
33	Explicit Characterization of Feedback Nash Equilibria for Indefinite, Linear-Quadratic, Mean-Field-Type Stochastic Zero-Sum Differential Games with Jump-Diffusion Models. Mathematics, 2020, 8, 1669.	1.1	4
34	A Feedback Nash Equilibrium for Affine-Quadratic Zero-Sum Stochastic Differential Games With Random Coefficients. , 2020, 4, 868-873.		4
35	Stochastic Zero-Sum Differential Games for Forward-Backward SDEs. , 2019, , .		2
36	Backward Reachability Analysis for Nonlinear Dynamical Systems via Pseudospectral Method. International Journal of Control, Automation and Systems, 2021, 19, 575-586.	1.6	2

#	Article	IF	Citations
37	Indefinite Linear-Quadratic Stochastic Control Problem for Jump-Diffusion Models with Random Coefficients: A Completion of Squares Approach. Mathematics, 2021, 9, 2918.	1.1	2
38	Stochastic optimal control with random coefficients and associated stochastic Hamiltonâ€“Jacobiâ€“Bellman equations. , 2022, 2022, .		2
39	State and Control Path-Dependent Stochastic Optimal Control With Jumps. IEEE Transactions on Automatic Control, 2022, 67, 4555-4567.	3.6	2
40	Observer-Based Super-Twisting Sliding Mode Control with Fuzzy Variable Gains and its Application to Overactuated Quadrotors. , 2018, , .		1
41	Hâˆž Control Using Linear Parameter Varying Approach for Motion Control Systems Under Communication Delays: Application to PMSM. Journal of Electrical Engineering and Technology, 2020, 15, 1797-1809.	1.2	1
42	Adaptive Nonlinear Output Tracking Control With Rejection of Unmatched Biased Sinusoidal Disturbances for Nonlinear Systems. IEEE Access, 2020, 8, 216210-216218.	2.6	1
43	Partially-observed decentralized optimal control for large population two-wheeled vehicles: A differential game approach. Journal of the Franklin Institute, 2020, 357, 5248-5276.	1.9	1
44	Infinity-Norm-Based Worst-Case Collision Avoidance Control for Quadrotors. IEEE Access, 2021, 9, 101052-101064.	2.6	1
45	Sensitivity-based link addition for robust linear dynamical networks. Journal of the Franklin Institute, 2021, 358, 3964-3979.	1.9	1
46	Stability margin of undirected homogeneous relative sensing networks: A geometric perspective. Systems and Control Letters, 2021, 156, 105027.	1.3	1
47	Dynamic Programming and a Verification Theorem for the Recursive Stochastic Control Problem of Jump-Diffusion Models With Random Coefficients. IEEE Transactions on Automatic Control, 2022, 67, 6474-6488.	3.6	1
48	Robust control of LTI systems over unreliable communication channels with unreliable acknowledgments. , 2016, , .		0
49	Decentralized optimal control for large populations of two-wheeled vehicles. , 2017, , .		0
50	The Stochastic Maximum Principle for Risk-Sensitive Optimal Control with Delay and Applications. , 2018, , .		0
51	A Characterization of Backward Reachable Sets for Nonlinear Dynamical Systems via the Pseudospectral Legendre Method. , 2019, , .		0
52	Adaptive Integral Super-Twisting Sliding Mode Control for Uncertain Stochastic Systems. , 2019, , .		0
53	Zonotopic Kalman filtering for stability augmentation and flight envelope estimation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 2288-2298.	0.7	0
54	Stochastic Control with Random Coefficients under Recursive-Type Objective Functionals. , 2020, , .		0

#	Article	IF	Citations
55	Sensitivity-based link addition for robust dynamical networks. , 2020, , .		0
56	Performance Measure of Hierarchical Structures for Multi-agent Systems. International Journal of Control, Automation and Systems, 2022, 20, 780-788.	1.6	0
57	State and Control Path-Dependent Stochastic Zero-Sum Differential Games: Viscosity Solutions of Path-Dependent Hamiltonâ€“Jacobiâ€“Isaacs Equations. Mathematics, 2022, 10, 1766.	1.1	0
58	Stochastic optimal control in infinite dimensions with state constraints. Nonlinear Analysis: Theory, Methods & Applications, 2022, 223, 113050.	0.6	0