Jun Moon

List of Publications by Year
in descending order

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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	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
2	Linear-quadratic mean-field type stackelberg differential games for stochastic jump-diffusion systems. Mathematical Control and Related Fields, 2022, 12, 371.	0.6	7
3	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
4	Stochastic optimal control with random coefficients and associated stochastic Hamiltonâ€“Jacobiâ€“Bellman equations. , 2022, 2022, .		2
5	State and Control Path-Dependent Stochastic Optimal Control With Jumps. IEEE Transactions on Automatic Control, 2022, 67, 4555-4567.	3.6	2
6	Performance Measure of Hierarchical Structures for Multi-agent Systems. International Journal of Control, Automation and Systems, 2022, 20, 780-788.	1.6	0
7	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
8	Stochastic optimal control in infinite dimensions with state constraints. Nonlinear Analysis: Theory, Methods & Applications, 2022, 223, 113050.	0.6	0
9	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
10	Generalized Risk-Sensitive Optimal Control and Hamiltonâ€“Jacobiâ€“Bellman Equation. IEEE Transactions on Automatic Control, 2021, 66, 2319-2325.	3.6	22
11	Backward Reachability Analysis for Nonlinear Dynamical Systems via Pseudospectral Method. International Journal of Control, Automation and Systems, 2021, 19, 575-586.	1.6	2
12	Zero-sum differential games on the Wasserstein space. Communications in Information and Systems, 2021, 21, 219-251.	0.3	6
13	Linear-Quadratic Stochastic Stackelberg Differential Games for Jump-Diffusion Systems. SIAM Journal on Control and Optimization, 2021, 59, 954-976.	1.1	13
14	Infinity-Norm-Based Worst-Case Collision Avoidance Control for Quadrotors. IEEE Access, 2021, 9, 101052-101064.	2.6	1
15	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
16	A nonlinear hybrid controller for swinging-up and stabilizing the rotary inverted pendulum. Nonlinear Dynamics, 2021, 104, 1117-1137.	2.7	20
17	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
18	Sensitivity-based link addition for robust linear dynamical networks. Journal of the Franklin Institute, 2021, 358, 3964-3979.	1.9	1

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19	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
20	Stability margin of undirected homogeneous relative sensing networks: A geometric perspective. Systems and Control Letters, 2021, 156, 105027.	1.3	1
21	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
22	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
23	Linearâ€“quadratic mean field stochastic zero-sum differential games. Automatica, 2020, 120, 109067.	3.0	16
24	The risk-sensitive maximum principle for controlled forwardâ€“backward stochastic differential equations. Automatica, 2020, 120, 109069.	3.0	10
25	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
26	Fuzzy-Based Super-Twisting Sliding Mode Stabilization Control for Under-Actuated Rotary Inverted Pendulum Systems. IEEE Access, 2020, 8, 185079-185092.	2.6	17
27	Adaptive Nonlinear Output Tracking Control With Rejection of Unmatched Biased Sinusoidal Disturbances for Nonlinear Systems. IEEE Access, 2020, 8, 216210-216218.	2.6	1
28	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
29	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
30	Disturbance Observer-Based Continuous Finite-Time Sliding Mode Control against Matched and Mismatched Disturbances. Complexity, 2020, 2020, 1-14.	0.9	7
31	A Feedback Nash Equilibrium for Affine-Quadratic Zero-Sum Stochastic Differential Games With Random Coefficients. , 2020, 4, 868-873.		4
32	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
33	Stochastic Control with Random Coefficients under Recursive-Type Objective Functionals. , 2020, , .		0
34	Sensitivity-based link addition for robust dynamical networks. , 2020, , .		0
35	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
36	A Characterization of Backward Reachable Sets for Nonlinear Dynamical Systems via the Pseudospectral Legendre Method. , 2019, , .		0

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37	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
38	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
39	Adaptive Integral Super-Twisting Sliding Mode Control for Uncertain Stochastic Systems. , 2019, , .		0
40	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
41	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
42	Linear Exponential Quadratic Control for Mean Field Stochastic Systems. IEEE Transactions on Automatic Control, 2019, 64, 5094-5100.	3.6	18
43	Stochastic Zero-Sum Differential Games for Forward-Backward SDEs. , 2019, , .		2
44	Risk-Sensitive Mean Field Games via the Stochastic Maximum Principle. Dynamic Games and Applications, 2019, 9, 1100-1125.	1.1	10
45	Risk-Sensitive Zero-Sum Differential Games. IEEE Transactions on Automatic Control, 2019, 64, 1503-1518.	3.6	19
46	Observer-Based Super-Twisting Sliding Mode Control with Fuzzy Variable Gains and its Application to Overactuated Quadrotors. , 2018, , .		1
47	The Stochastic Maximum Principle for Risk-Sensitive Optimal Control with Delay and Applications. , 2018, , .		0
48	Linear quadratic mean field Stackelberg differential games. Automatica, 2018, 97, 200-213.	3.0	71
49	Linear Quadratic Risk-Sensitive and Robust Mean Field Games. IEEE Transactions on Automatic Control, 2017, 62, 1062-1077.	3.6	93
50	Static Optimal Sensor Selection via Linear Integer Programming: The Orthogonal Case. IEEE Signal Processing Letters, 2017, 24, 953-957.	2.1	4
51	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
52	Riccati Equations in Nash and Stackelberg Differential and Dynamic Games. IFAC-PapersOnLine, 2017, 50, 9547-9554.	0.5	6
53	Decentralized optimal control for large populations of two-wheeled vehicles. , 2017, , .		0
54	Robust control of LTI systems over unreliable communication channels with unreliable acknowledgments. , 2016, , .		0

#	Article	IF	Citations
55	Robust mean field games for coupled Markov jump linear systems. International Journal of Control, 2016, 89, 1367-1381.	1.2	20
56	Linear-quadratic stochastic differential Stackelberg games with a high population of followers. , 2015, , .		13
57	Minimax control over unreliable communication channels. Automatica, 2015, 59, 182-193.	3.0	25
58	Minimax estimation with intermittent observations. Automatica, 2015, 62, 122-133.	3.0	10