

Jun Moon

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

566
citations

759233

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713466

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docs citations

60
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep reinforcement learning-based model-free path planning and collision avoidance for UAVs: A soft actor-critic with hindsight experience replay approach. <i>ICT Express</i> , 2023, 9, 403-408.	4.8	6
2	Linear-quadratic mean-field type stackelberg differential games for stochastic jump-diffusion systems. <i>Mathematical Control and Related Fields</i> , 2022, 12, 371.	1.1	7
3	Dynamic Programming and a Verification Theorem for the Recursive Stochastic Control Problem of Jump-Diffusion Models With Random Coefficients. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 6474-6488.	5.7	1
4	Stochastic optimal control with random coefficients and associated stochastic Hamilton-Jacobi-Bellman equations. , 2022, 2022, .		2
5	State and Control Path-Dependent Stochastic Optimal Control With Jumps. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4555-4567.	5.7	2
6	Performance Measure of Hierarchical Structures for Multi-agent Systems. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 780-788.	2.7	0
7	State and Control Path-Dependent Stochastic Zero-Sum Differential Games: Viscosity Solutions of Path-Dependent Hamilton-Jacobi-Isaacs Equations. <i>Mathematics</i> , 2022, 10, 1766.	2.2	0
8	Stochastic optimal control in infinite dimensions with state constraints. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022, 223, 113050.	1.1	0
9	Linear-Quadratic Time-Inconsistent Mean-Field Type Stackelberg Differential Games: Time-Consistent Open-Loop Solutions. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 375-382.	5.7	10
10	Generalized Risk-Sensitive Optimal Control and Hamilton-Jacobi-Bellman Equation. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 2319-2325.	5.7	22
11	Backward Reachability Analysis for Nonlinear Dynamical Systems via Pseudospectral Method. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 575-586.	2.7	2
12	Zero-sum differential games on the Wasserstein space. <i>Communications in Information and Systems</i> , 2021, 21, 219-251.	0.5	6
13	Linear-Quadratic Stochastic Stackelberg Differential Games for Jump-Diffusion Systems. <i>SIAM Journal on Control and Optimization</i> , 2021, 59, 954-976.	2.1	13
14	Infinity-Norm-Based Worst-Case Collision Avoidance Control for Quadrotors. <i>IEEE Access</i> , 2021, 9, 101052-101064.	4.2	1
15	Risk-sensitive maximum principle for stochastic optimal control of mean-field type Markov regime-switching jump-diffusion systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 2141-2167.	3.7	7
16	A nonlinear hybrid controller for swinging-up and stabilizing the rotary inverted pendulum. <i>Nonlinear Dynamics</i> , 2021, 104, 1117-1137.	5.2	20
17	Zonotopic Kalman filtering for stability augmentation and flight envelope estimation. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2021, 235, 2288-2298.	1.3	0
18	Sensitivity-based link addition for robust linear dynamical networks. <i>Journal of the Franklin Institute</i> , 2021, 358, 3964-3979.	3.4	1

#	ARTICLE	IF	CITATIONS
19	Finite-time disturbance observer-based modified super-twisting algorithm for systems with mismatched disturbances: Application to fixed-wing UAVs under wind disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7317-7343.	3.7	11
20	Stability margin of undirected homogeneous relative sensing networks: A geometric perspective. <i>Systems and Control Letters</i> , 2021, 156, 105027.	2.3	1
21	Indefinite Linear-Quadratic Stochastic Control Problem for Jump-Diffusion Models with Random Coefficients: A Completion of Squares Approach. <i>Mathematics</i> , 2021, 9, 2918.	2.2	2
22	H ∞ Control Using Linear Parameter Varying Approach for Motion Control Systems Under Communication Delays: Application to PMSM. <i>Journal of Electrical Engineering and Technology</i> , 2020, 15, 1797-1809.	2.0	1
23	Linear-quadratic mean field stochastic zero-sum differential games. <i>Automatica</i> , 2020, 120, 109067.	5.0	16
24	The risk-sensitive maximum principle for controlled forward-backward stochastic differential equations. <i>Automatica</i> , 2020, 120, 109069.	5.0	10
25	Extended State Observer Based Robust Position Tracking Control Using Nonlinear Damping Gain for Quadrotors With External Disturbance. <i>IEEE Access</i> , 2020, 8, 174558-174567.	4.2	4
26	Fuzzy-Based Super-Twisting Sliding Mode Stabilization Control for Under-Actuated Rotary Inverted Pendulum Systems. <i>IEEE Access</i> , 2020, 8, 185079-185092.	4.2	17
27	Adaptive Nonlinear Output Tracking Control With Rejection of Unmatched Biased Sinusoidal Disturbances for Nonlinear Systems. <i>IEEE Access</i> , 2020, 8, 216210-216218.	4.2	1
28	Explicit Characterization of Feedback Nash Equilibria for Indefinite, Linear-Quadratic, Mean-Field-Type Stochastic Zero-Sum Differential Games with Jump-Diffusion Models. <i>Mathematics</i> , 2020, 8, 1669.	2.2	4
29	Partially-observed decentralized optimal control for large population two-wheeled vehicles: A differential game approach. <i>Journal of the Franklin Institute</i> , 2020, 357, 5248-5276.	3.4	1
30	Disturbance Observer-Based Continuous Finite-Time Sliding Mode Control against Matched and Mismatched Disturbances. <i>Complexity</i> , 2020, 2020, 1-14.	1.6	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. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 5422-5428.	5.7	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. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1619-1626.	5.7	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.	5.8	9
38	Necessary and sufficient conditions of risk-sensitive optimal control and differential games for stochastic differential delayed equations. International Journal of Robust and Nonlinear Control, 2019, 29, 4812-4827.	3.7	9
39	Adaptive Integral Super-Twisting Sliding Mode Control for Uncertain Stochastic Systems. , 2019, , .		0
40	Leader-follower decentralized optimal control for large population hexarotors with tilted propellers: A Stackelberg game approach. Journal of the Franklin Institute, 2019, 356, 6175-6207.	3.4	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.	3.4	11
42	Linear Exponential Quadratic Control for Mean Field Stochastic Systems. IEEE Transactions on Automatic Control, 2019, 64, 5094-5100.	5.7	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.	1.9	10
45	Risk-Sensitive Zero-Sum Differential Games. IEEE Transactions on Automatic Control, 2019, 64, 1503-1518.	5.7	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.	5.0	71
49	Linear Quadratic Risk-Sensitive and Robust Mean Field Games. IEEE Transactions on Automatic Control, 2017, 62, 1062-1077.	5.7	93
50	Static Optimal Sensor Selection via Linear Integer Programming: The Orthogonal Case. IEEE Signal Processing Letters, 2017, 24, 953-957.	3.6	4
51	Risk-sensitive control of Markov jump linear systems: Caveats and difficulties. International Journal of Control, Automation and Systems, 2017, 15, 462-467.	2.7	18
52	Riccati Equations in Nash and Stackelberg Differential and Dynamic Games. IFAC-PapersOnLine, 2017, 50, 9547-9554.	0.9	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

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55	Robust mean field games for coupled Markov jump linear systems. International Journal of Control, 2016, 89, 1367-1381.	1.9	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.	5.0	25
58	Minimax estimation with intermittent observations. Automatica, 2015, 62, 122-133.	5.0	10