Missile Guidance Law Based on Robust Model Predictiv Optimization

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Citation Report

#	Article	IF	CITATIONS
1	Model Predictive Control of Nonholonomic Chained Systems Using General Projection Neural Networks Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1313-1321.	5.9	125
2	Soft constrained finite horizon model predictive control. , 2015, , .		0
3	H <inf>2</inf> optimal proportional navigation guidance law. , 2015, , .		0
4	Aerial vehicle guidance based on passive machine learning technique. International Journal of Intelligent Computing and Cybernetics, 2016, 9, 255-273.	1.6	9
5	Neural-approximation-based robust adaptive control of flexible air-breathing hypersonic vehicles with parametric uncertainties and control input constraints. Information Sciences, 2016, 346-347, 29-43.	4.0	75
6	Distributed composite autopilot design for bank-to-turn missiles with optimized tracking based on disturbance observers. Transactions of the Institute of Measurement and Control, 2017, 39, 1123-1138.	1.1	10
7	Dynamical balance optimization and control of biped robots in double-support phase under perturbing external forces. Neural Computing and Applications, 2017, 28, 4123-4137.	3.2	7
8	General Projection Neural Network Based Nonlinear Model Predictive Control for Multi-Robot Formation and Tracking. IFAC-PapersOnLine, 2017, 50, 838-843.	0.5	5
9	Robust Stabilization of a Wheeled Mobile Robot Using Model Predictive Control Based on Neurodynamics Optimization. IEEE Transactions on Industrial Electronics, 2017, 64, 505-516.	5.2	109
10	Constrained Quadratic Programming and Neurodynamics-Based Solver for Energy Optimization of Biped Walking Robots. Mathematical Problems in Engineering, 2017, 2017, 1-15.	0.6	1
11	Optimal Tracking Guidance for Aeroassisted Spacecraft Reconnaissance Mission Based on Receding Horizon Control. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1575-1588.	2.6	40
12	Mixed-kernel least square support vector machine predictive control based on improved free search algorithm for nonlinear systems. Transactions of the Institute of Measurement and Control, 2018, 40, 4382-4396.	1.1	8
13	Two stage neural network modelling for robust model predictive control. ISA Transactions, 2018, 72, 56-65.	3.1	34
14	An analytical framework for remote sensing satellite networks based on the model predictive control with convex optimization. International Journal of Satellite Communications and Networking, 2018, 36, 305-314.	1.2	2
15	A novel intelligent modeling framework integrating convolutional neural network with an adaptive time-series window and its application to industrial process operational optimization. Chemometrics and Intelligent Laboratory Systems, 2018, 179, 64-72.	1.8	30
16	A neural network based implementation of an MPC algorithm applied in the control systems of electromechanical plants. IOP Conference Series: Materials Science and Engineering, 2018, 297, 012042.	0.3	3
17	Aircraft guidance law identification using interactive multiple model estimation. , 2018, , .		0
18	Cramer-Rao lower bound for motion parameter estimation of an approaching missile with constant		1

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#	Article	IF	CITATIONS
19	A New Varying-Parameter Convergent-Differential Neural-Network for Solving Time-Varying Convex QP Problem Constrained by Linear-Equality. IEEE Transactions on Automatic Control, 2018, 63, 4110-4125.	3.6	126
20	Incremental Updating Multirobot Formation Using Nonlinear Model Predictive Control Method With General Projection Neural Network. IEEE Transactions on Industrial Electronics, 2019, 66, 4502-4512.	5.2	33
21	Optimization of sand casting performance parameters and missing data prediction. Royal Society Open Science, 2019, 6, 181860.	1.1	10
22	Weighted Multiple Neural Network Boundary Control for a Flexible Manipulator With Uncertain Parameters. IEEE Access, 2019, 7, 57633-57641.	2.6	4
23	RBF Networks-Based Weighted Multi-Model Adaptive Control for a Category of Nonlinear Systems With Jumping Parameters. IEEE Access, 2019, 7, 84929-84937.	2.6	1
24	A terminal guidance algorithm based on ant colony optimization. Computers and Electrical Engineering, 2019, 77, 128-146.	3.0	8
25	Learning to Guide: Guidance Law Based on Deep Meta-Learning and Model Predictive Path Integral Control. IEEE Access, 2019, 7, 47353-47365.	2.6	20
26	Leader-Follower Consensus Multi-Robot Formation Control Using Neurodynamic-Optimization-Based Nonlinear Model Predictive Control. IEEE Access, 2019, 7, 43581-43590.	2.6	33
27	Integrated missile guidance and control using optimization-based predictive control. Nonlinear Dynamics, 2019, 96, 997-1015.	2.7	27
28	A Neural Network-Based Model Reference Control Architecture for Oscillation Damping in Interconnected Power System. Energies, 2019, 12, 3653.	1.6	5
29	Brain-Actuated Control of Dual-Arm Robot Manipulation With Relative Motion. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 51-62.	2.6	22
30	Neural-Network-Based Adaptive Funnel Control for Servo Mechanisms With Unknown Dead-Zone. IEEE Transactions on Cybernetics, 2020, 50, 1383-1394.	6.2	118
31	Deep Neural Network-Based Guidance Law Using Supervised Learning. Applied Sciences (Switzerland), 2020, 10, 7865.	1.3	5
32	Missile Control Design for Moving Target using Model Predictive Control. Journal of Physics: Conference Series, 2020, 1490, 012069.	0.3	1
33	Multi-Loop Recurrent Neural Network Fractional-Order Terminal Sliding Mode Control of MEMS Gyroscope. IEEE Access, 2020, 8, 167965-167974.	2.6	7
34	Time-energy efficient guidance strategy for a realistic 3D interceptor: An adaptive robust time-delayed control approach with input saturation. Aerospace Science and Technology, 2020, 104, 106015.	2.5	11
35	Function Approximation Technique Based Control for a Class of Nonholonomic Systems. , 2020, , .		3
36	Terminal Recurrent Neural Networks for Time-Varying Reciprocal Solving With Application to Trajectory Planning of Redundant Manipulators. IEEE Transactions on Systems, Man, and Cybernetics:	5.9	4

CITATION REPORT

#	Article	IF	CITATIONS
37	Integrated Guidance and Control Using Model Predictive Control with Flight Path Angle Prediction against Pull-Up Maneuvering Target. Sensors, 2020, 20, 3143.	2.1	7
38	Self-Healing Predictive Control of Battery System in Naval Power System With Pulsed Power Loads. IEEE Transactions on Energy Conversion, 2021, 36, 1056-1069.	3.7	22
39	Neural network-based model predictive tracking control of an uncertain robotic manipulator with input constraints. ISA Transactions, 2021, 109, 89-101.	3.1	26
40	A time controlling neural network for timeâ€varying QP solving with application to kinematics of mobile manipulators. International Journal of Intelligent Systems, 2021, 36, 403-420.	3.3	3
41	An artificial delay based robust guidance strategy for an interceptor with input saturation. ISA Transactions, 2021, 109, 34-48.	3.1	13
42	Neural Network Model-Based Control for Manipulator: An Autoencoder Perspective. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2854-2868.	7.2	10
43	A Reinforcement Learning-Based Vehicle Platoon Control Strategy for Reducing Energy Consumption in Traffic Oscillations. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5309-5322.	7.2	33
44	Asynchronous Multithreading Reinforcement-Learning-Based Path Planning and Tracking for Unmanned Underwater Vehicle. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2757-2769.	5.9	26
45	Nonlinear Model Based Guidance with Deep Learning Based Target Trajectory Prediction Against Aerial Agile Attack Patterns. , 2021, , .		3
46	Prescribedâ€ŧime control with explicit reference governor for a class of constrained cascaded systems. International Journal of Robust and Nonlinear Control, 2021, 31, 6422-6437.	2.1	7
47	A generalized varying-parameter recurrent neural network for super solution of quadratic programming problem. Neurocomputing, 2021, 437, 238-248.	3.5	4
48	A new three-dimensional guidance law based on reduced-order extended state observer for highly maneuvering targets. , 2021, , .		0
49	An Adaptive Robust Predictive Current Control Scheme With Online Parameter Identification Based on MRAS for High-Performance PMLSM Drives. , 2021, , .		1
50	Nonlinear Model Predictive Control and Collision-Cone-Based Missile Guidance Algorithm. Journal of Guidance, Control, and Dynamics, 2021, 44, 1481-1497.	1.6	6
51	Quantum-Interference Artificial Neural Network With Application to Space Manipulator Control. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2167-2182.	2.6	7
52	Communication constrained robust guidance strategy using quantized artificial time delay based control with input saturation. IET Control Theory and Applications, 0, , .	1.2	1
53	A gain-adjustment neural network based time-varying underdetermined linear equation solving method. Neurocomputing, 2021, 458, 184-194.	3.5	5
54	Model Predictive Control. Studies in Systems, Decision and Control, 2019, , 77-129.	0.8	5

CITATION REPORT

#	Article	IF	CITATIONS
55	Adaptive supervisory-main attitude controller for missiles steered by aerodynamic fins and reaction jets. , 2021, , .		0
56	Ascent Guidance for Launch Vehicle Based on Receding Horizon Control. , 2020, , .		Ο
57	A New Missile Guidance Law Design based on Interception Point Strategy and Fuzzy Logic against High Maneuvering Targets. Journal of Control, 2020, 13, 77-88.	0.1	0
58	Missile IGC Based on Improved Model Predictive Control and Sliding Mode Observer. International Journal of Aerospace Engineering, 2021, 2021, 1-14.	0.5	1
59	Minimum Time-of-Flight Interceptor Guidance Using Real-Time-Implementable Model-Predictive Guidance. , 2022, , .		0
60	Inverse optimal missile guidance law under constraints based on prescribed-time explicit reference governor. ISA Transactions, 2021, , .	3.1	1
61	The Tracking control of Autonomous Underwater Vehicle Based on FA - Model Predictive Control. , 2021, , .		1
62	Three-dimensional continuous-time integrated guidance and control design using model predictive control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002211033.	0.7	0
63	Review of Neural Network Modeling of Shape Memory Alloys. Sensors, 2022, 22, 5610.	2.1	11
64	Dynamic interception point guidance algorithm based on particle swarm optimization. Measurement and Control, 0, , 002029402211183.	0.9	1
65	Robust relatively optimal trajectory tracking control for a class of uncertain nonlinear control affine systems with state and input constraints. Nonlinear Dynamics, 0, , .	2.7	0
66	Leader-Follower Formation Control for Fixed-Wing UAVs using Deep Reinforcement Learning. , 2022, , .		1
67	Superconvergence of Online Optimization for Model Predictive Control. IEEE Transactions on Automatic Control, 2023, 68, 1383-1398.	3.6	3
68	Multiple Constraints-Based Adaptive Three-Dimensional Back-Stepping Sliding Mode Guidance Law against a Maneuvering Target. Aerospace, 2022, 9, 796.	1.1	2
69	Glide Guided Bomb Longitudinal Controller Design Based on Active Disturbance Rejection Control. Lecture Notes in Electrical Engineering, 2023, , 6693-6701.	0.3	0
70	Current status and prospects of terminal guidance laws for intercepting hypersonic vehicles in near space: a review. Journal of Zhejiang University: Science A, 2023, 24, 387-403.	1.3	5
77	Optimization-Based Predictive G & amp; C Method. Springer Aerospace Technology, 2023, , 207-234.	0.2	0
80	Explicit-Reference-Governor Based Guidance Law Design Using Neural-Network Optimization. , 2023, , .		0

#	Article	IF	CITATIONS
81	Neural-network-based adaptive funnel control for servo mechanisms with unknown dead-zone. , 2024, , 41-66.		0