

Mingzhi Mao

List of Publications by Year in descending order

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papers

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42
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256
citing authors

#	ARTICLE	IF	CITATIONS
1	New Discretization-Formula-Based Zeroing Dynamics for Real-Time Tracking Control of Serial and Parallel Manipulators. IEEE Transactions on Industrial Informatics, 2018, 14, 3416-3425.	7.2	61
2	Enhanced discrete-time Zhang neural network for time-variant matrix inversion in the presence of bias noises. Neurocomputing, 2016, 207, 220-230.	3.5	60
3	Singularity-conquering tracking control of a class of chaotic systems using Zhang's gradient dynamics. IET Control Theory and Applications, 2015, 9, 871-881.	1.2	49
4	Z-type neural-dynamics for time-varying nonlinear optimization under a linear equality constraint with robot application. Journal of Computational and Applied Mathematics, 2018, 327, 155-166.	1.1	49
5	Continuous and Discrete Zeroing Neural Network for Different-Level Dynamic Linear System With Robot Manipulator Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4633-4642.	5.9	35
6	General Square-Pattern Discretization Formulas via Second-Order Derivative Elimination for Zeroing Neural Network Illustrated by Future Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 891-901.	7.2	34
7	Common nature of learning between BP-type and Hopfield-type neural networks. Neurocomputing, 2015, 167, 578-586.	3.5	28
8	Secure halftone image steganography with minimizing the distortion on pair swapping. Signal Processing, 2020, 167, 107287.	2.1	19
9	Combining WASP and ASF algorithms to forecast a Japan earthquake with Mj 7.2 or above. , 2016, , .		18
10	Five-instant type discrete-time ZND solving discrete time-varying linear system, division and quadratic programming. Neurocomputing, 2019, 331, 323-335.	3.5	18
11	Multi-Task Learning For Thyroid Nodule Segmentation With Thyroid Region Prior. , 2021, , .		18
12	Simpler ZD-achieving controller for chaotic systems synchronization with parameter perturbation, model uncertainty and external disturbance as compared with other controllers. Optik, 2017, 131, 364-373.	1.4	14
13	MemoryPath: A deep reinforcement learning framework for incorporating memory component into knowledge graph reasoning. Neurocomputing, 2021, 419, 273-286.	3.5	14
14	ZD, ZG and IOL Controllers and Comparisons for Nonlinear System Output Tracking with DBZ Problem Conquered in Different Relative-Degree Cases. Asian Journal of Control, 2017, 19, 1482-1495.	1.9	12
15	Complete theory for E47 and 94LVI algorithms solving inequality-and-bound constrained quadratic program efficiently. , 2015, , .		11
16	A 5-instant finite difference formula to find discrete time-varying generalized matrix inverses, matrix inverses, and scalar reciprocals. Numerical Algorithms, 2019, 81, 609-629.	1.1	10
17	Hybrid-Order Representation Learning for Electricity Theft Detection. IEEE Transactions on Industrial Informatics, 2023, 19, 1248-1259.	7.2	9
18	VQAMix: Conditional Triplet Mixup for Medical Visual Question Answering. IEEE Transactions on Medical Imaging, 2022, 41, 3332-3343.	5.4	9

#	ARTICLE	IF	CITATIONS
19	Zhang-Gradient Controllers for Tracking Control of Multiple-Integrator Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	8
20	Complex ZNN and GNN models for time-varying complex quadratic programming subject to equality constraints. , 2016, , .		7
21	New formula of 4-instant g-square finite difference (4lgSFD) applied to time-variant matrix inversion. , 2015, , .		6
22	The second-order ZD, GD and hybrid systems solving nonlinear equations compared with other dynamics. , 2016, , .		5
23	A Coherent Object-Oriented (OO) Software Metric Framework Model: Software Engineering. , 2008, , .		3
24	A Case Study on Tailoring Software Process for Characteristics Based on RUP. , 2009, , .		3
25	WASP neuronet activated by bipolar-sigmoid functions and applied to glomerular-filtration-rate estimation. , 2014, , .		3
26	ZG control for nonlinear system 2-output tracking with GD used additionally once more. , 2015, , .		3
27	A New Component-Based Configuration Management 3C Model and its Realization. , 2008, , .		2
28	Finite-time convergence analysis and verification of improved ZNN for real-time matrix inversion. , 2014, , .		2
29	Cart Velocity Tracking of General IPC Model Using ZG Control Compared with Cart Path Tracking. , 2014, , .		2
30	7-Instant Discrete-Time Synthesis Model Solving Future Different-Level Linear Matrix System via Equivalency of Zeroing Neural Network. IEEE Transactions on Cybernetics, 2021, PP, 1-10.	6.2	2
31	Multi-granularity Object-Oriented Software Estimation Model and Tools: Software Engineering. , 2008, , .		1
32	Analysis of G-type model exploited for online ZLE solving. , 2014, , .		1
33	Verification of ZG controllers for cart path tracking of general IPC model with nonzero link mass. , 2014, , .		1
34	Solving for Inverse-Like Dynamic Matrices of Variables and Derivatives Using Zhang Neural Dynamics (ZND) Equivalency. , 2019, , .		1
35	Discrete-Time Zeroing Dynamics Model for Solving Generalized Sylvester Future Matrix System. , 2019, , .		1
36	Simulation and Analysis of the Network Model of the Quorum Sensing Process during Biofilm Creation. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0

#	ARTICLE	IF	CITATIONS
37	Controller groups of Z1G0 and Z1G1 types for brusselator with efficacy and superiority shown. , 2015, , .		0
38	Simulation Verifications of ZND Control for Dynamics-Included Robot Systems Extended from One Link to Multiple Links. , 2018, , .		0
39	Defeats GAN: A Simpler Model Outperforms in Knowledge Representation Learning. , 2018, , .		0
40	Different Reformulation, ZD Tracking Control and Analysis of One-Link Rigid Robot System with Motor Dynamics. , 2018, , .		0
41	A new goal ordering for incremental planning. Journal of Supercomputing, 2020, 76, 3713-3728.	2.4	0