Dongshu Wang

List of Publications by Year
in descending order

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22 papers	1,370 citations	1307594 7 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	995 citing authors

#	Article	IF	Citations
1	Particle swarm optimization algorithm: an overview. Soft Computing, 2018, 22, 387-408.	3.6	1,235
2	Motivated Optimal Developmental Learning for Sequential Tasks Without Using Rigid Time-Discounts. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4917-4931.	11.3	24
3	Path planning of mobile robot in dynamic environment: fuzzy artificial potential field and extensible neural network. Artificial Life and Robotics, 2021, 26, 129-139.	1.2	19
4	Finite-time adaptive neural control for uncertain nonlinear time-delay systems with actuator delay and full-state constraints. International Journal of Systems Science, 2019, 50, 726-738.	5.5	18
5	Mobile robot navigation with the combination of supervised learning in cerebellum and reward-based learning in basal ganglia. Cognitive Systems Research, 2020, 59, 1-14.	2.7	17
6	Receding horizon path planning of automated guided vehicles using a timeâ€space network model. Optimal Control Applications and Methods, 2020, 41, 1889-1903.	2.1	9
7	Developmental Network: An Internal Emergent Object Feature Learning. Neural Processing Letters, 2018, 48, 1135-1159.	3.2	8
8	Emergent spatio-temporal multimodal learning using a developmental network. Applied Intelligence, 2019, 49, 1306-1323.	5.3	6
9	Mixed-Integer Nonlinear Programming for Energy-Efficient Container Handling: Formulation and Customized Genetic Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10542-10555.	8.0	6
10	How internal neurons represent the short context: an emergent perspective. Progress in Artificial Intelligence, 2017, 6, 67-77.	2.4	5
11	Brain-like emergent auditory learning: A developmental method. Hearing Research, 2018, 370, 283-293.	2.0	4
12	Behavioral Decision-Making of Mobile Robot in Unknown Environment with the Cognitive Transfer. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 103, 1.	3.4	4
13	Emergent face orientation recognition with internal neurons of the developmental network. Progress in Artificial Intelligence, 2018, 7, 359-367.	2.4	3
14	Finite-time decentralized adaptive neural constrained control for interconnected nonlinear time-delay systems with dynamics couplings among subsystems. ISA Transactions, 2018, 80, 54-64.	5.7	3
15	A Biologically Inspired Behavior Control for the Unexpected Uncertainty With Motivated Developmental Network. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 774-786.	3.8	3
16	Goal-directed autonomous navigation of mobile robot based on the principle of neuromodulation. Network: Computation in Neural Systems, 2019, 30, 79-106.	3.6	2
17	Behavior Decision of Mobile Robot With a Neurophysiologically Motivated Reinforcement Learning Model. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 219-233.	3.8	2
18	An Incremental Learning Model for Mobile Robot: From Short-Term Memory to Long-Term Memory. IEEE Transactions on Artificial Intelligence, 2022, 3, 798-808.	4.7	1

#	Article	IF	Citations
19	Adaptive neural smooth finite-time controller for large-scale stochastic nonlinear state-constrained systems with feasibility removal and time delays. International Journal of Systems Science, 0, , 1-18.	5.5	1
20	Serotonin and dopamine systems: Internal areas and sequential tasks. , 2014, , .		0
21	An adaptive behavior decision model of mobile robot based on the neuromodulation. Artificial Life and Robotics, 2021, 26, 66-75.	1.2	0
22	A Developmental Model of Behavioral Learning for the Autonomous Robot. Communications in Computer and Information Science, 2020, , 482-496.	0.5	0