Siyuan Chen

List of Publications by Year
in descending order

15	298	1163117	1058476
papers	citations	8	14
		h-index	g-index

15	15	15	318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive Projection Neural Network for Kinematic Control of Redundant Manipulators With Unknown Physical Parameters. IEEE Transactions on Industrial Electronics, 2018, 65, 4909-4920.	7.9	96
2	Compatible Convex–Nonconvex Constrained QP-Based Dual Neural Networks for Motion Planning of Redundant Robot Manipulators. IEEE Transactions on Control Systems Technology, 2019, 27, 1250-1258.	5.2	46
3	An Intention-Driven Semi-autonomous Intelligent Robotic System for Drinking. Frontiers in Neurorobotics, 2017, 11, 48.	2.8	32
4	Two Hybrid End-Effector Posture-Maintaining and Obstacle-Limits Avoidance Schemes for Redundant Robot Manipulators. IEEE Transactions on Industrial Informatics, 2020, 16, 754-763.	11.3	32
5	Two Hybrid Multiobjective Motion Planning Schemes Synthesized by Recurrent Neural Networks for Wheeled Mobile Robot Manipulators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3270-3281.	9.3	19
6	Noise-Tolerant and Finite-Time Convergent ZNN Models for Dynamic Matrix Moore–Penrose Inversion. IEEE Transactions on Industrial Informatics, 2020, 16, 1591-1601.	11.3	18
7	Acceleration-Level Multi-Criteria Optimization for Remedying Joint-Angle Drift of Redundant Manipulators on Complex Path Tracking. IEEE Access, 2019, 7, 95716-95724.	4.2	10
8	A Vector-Based Constrained Obstacle Avoidance Scheme for Wheeled Mobile Redundant Robot Manipulator. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 465-474.	3.8	10
9	Discrete-Time Circadian Rhythms Neural Network for Perturbed Redundant Robot Manipulators Tracking Problem With Periodic Noises. IEEE Transactions on Industrial Informatics, 2022, 18, 242-251.	11.3	7
10	A Support Vector Neural Network for P300 EEG Signal Classification. IEEE Transactions on Artificial Intelligence, 2022, 3, 309-321.	4.7	7
11	A Circadian Rhythms Neural Network for Solving the Redundant Robot Manipulators Tracking Problem Perturbed by Periodic Noise. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3232-3242.	5.8	7
12	Matlab Simulink of Varying-Parameter Convergent-Differential Neural-Network for Solving Online Time-Varying Matrix Inverse. , 2016, , .		6
13	Velocity-Level Tri-Criteria Optimization Scheme for Different Complex Path Tracking of Redundant Manipulators. IEEE Access, 2019, 7, 64289-64296.	4.2	5
14	Tri-Criteria Optimization Motion Planning at Acceleration-Level of Dual Redundant Manipulators. Robotica, 2020, 38, 983-999.	1.9	2
15	Taylor Discrete Circadian Rhythms Neural Network for Resolving Bi-criteria Optimization Problem of Redundant Robot Manipulators Perturbed by Periodic Noises. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	1