Chen Liqing

List of Publications by Year
in descending order

25 papers	315 citations	840585 11 h-index	940416 16 g-index
25 all docs	25 docs citations	25 times ranked	99 citing authors

#	Article	IF	Citations
1	Lodged Sugarcane/Crop Dividers Interaction: Analysis of Robotic Sugarcane Harvester in Agriculture via a Rigid-Flexible Coupled Simulation Method. Actuators, 2022, 11, 23.	1.2	7
2	An optimal goal point determination algorithm for automatic navigation of agricultural machinery: Improving the tracking accuracy of the Pure Pursuit algorithm. Computers and Electronics in Agriculture, 2022, 194, 106760.	3.7	28
3	Intelligent intra-row robotic weeding system combining deep learning technology with a targeted weeding mode. Biosystems Engineering, 2022, 216, 13-31.	1.9	34
4	Evaluation Method of Soil Surface Roughness after Ditching Operation Based on Wavelet Transform. Actuators, 2022, 11, 87.	1.2	5
5	The Development of an Electric-Driven Control System for a High-Speed Precision Planter Based on the Double Closed-Loop Fuzzy PID Algorithm. Agronomy, 2022, 12, 945.	1.3	10
6	Development and Numerical Simulation of a Precision Strip-Hole Layered Fertilization Subsoiler While Sowing Maize. Agriculture (Switzerland), 2022, 12, 938.	1.4	4
7	The control design of transverse interconnected electronic control air suspension based on seeker optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 2200-2211.	1.1	14
8	Multi-objective optimization of lubricant volume in an ELSD considering thermal effects. International Journal of Thermal Sciences, 2021, 164, 106884.	2.6	14
9	Lateral Stability Control of Four-Wheel-Drive Electric Vehicle Based on Coordinated Control of Torque Distribution and ESP Differential Braking. Actuators, 2021, 10, 135.	1.2	16
10	Two-Stream Dense Feature Fusion Network Based on RGB-D Data for the Real-Time Prediction of Weed Aboveground Fresh Weight in a Field Environment. Remote Sensing, 2021, 13, 2288.	1.8	14
11	Intelligent Vehicle Lateral Control Method Based on Feedforward + Predictive LQR Algorithm. Actuators, 2021, 10, 228.	1.2	26
12	Performance analysis of a spring-tooth drum pickup of straw baler via coupling simulation. International Journal of Agricultural and Biological Engineering, 2021, 14, 159-165.	0.3	2
13	Straw/Spring Teeth Interaction Analysis of Baler Picker in Smart Agriculture via an ADAMS-DEM Coupled Simulation Method. Machines, 2021, 9, 296.	1.2	6
14	Evaluation and optimization of vehicle pedal comfort based on biomechanics. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1402-1412.	1.1	13
15	A proposed torque calculation model for multi-plate clutch considering boundary lubrication conditions and heat transfer. International Journal of Heat and Mass Transfer, 2020, 157, 119732.	2.5	9
16	Path Tracking Control of Field Information-Collecting Robot Based on Improved Convolutional Neural Network Algorithm. Sensors, 2020, 20, 797.	2.1	25
17	Multi-objective optimization design of wheat centralized seed feeding device based on particle swarm optimization (PSO) algorithm. International Journal of Agricultural and Biological Engineering, 2020, 13, 76-84.	0.3	4
18	Control of a path following caterpillar robot based on a sliding mode variable structure algorithm. Biosystems Engineering, 2019, 186, 293-306.	1.9	39

#	Article	IF	Citations
19	Prediction and optimization of lubrication performance for a transfer case based on computational fluid dynamics. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 1013-1023.	1.5	8
20	Design method and experiment of machinery for combined application of seed, fertilizer and herbicide. International Journal of Agricultural and Biological Engineering, 2019, 12, 63-71.	0.3	2
21	Effects of blade sliding cutting angle and stem level on cutting energy of rice stems. International Journal of Agricultural and Biological Engineering, 2019, 12, 75-81.	0.3	12
22	Effects of key parameters of straw chopping device on qualified rate, non-uniformity and power consumption. International Journal of Agricultural and Biological Engineering, 2018, 11, 122-128.	0.3	4
23	Performance analysis and test of a maize inter-row self-propelled thermal fogger chassis. International Journal of Agricultural and Biological Engineering, 2018, 11, 100-107.	0.3	8
24	Research and Realization of Wheel Loader Differential Gear Visual Design System. , 2010, , .		0
25	Evaluation and analysis of comprehensive performance of a brake pedal based on an improved analytic hierarchy process. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702098773.	1.1	11