

# Long Chen

## List of Publications by Year in descending order

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246  
papers

5,614  
citations

101384

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all docs

246  
docs citations

246  
times ranked

4033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Speed-Sensorless Vector Control of a Bearingless Induction Motor With Artificial Neural Network Inverse Speed Observer. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1357-1366.	3.7	222
2	Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 41-54.	3.9	216
3	Overview of Bearingless Permanent-Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2013, 60, 5528-5538.	5.2	204
4	High-Performance Control for a Bearingless Permanent-Magnet Synchronous Motor Using Neural Network Inverse Scheme Plus Internal Model Controllers. IEEE Transactions on Industrial Electronics, 2016, 63, 3479-3488.	5.2	200
5	Internal Model Control for a Bearingless Permanent Magnet Synchronous Motor Based on Inverse System Method. IEEE Transactions on Energy Conversion, 2016, 31, 1539-1548.	3.7	187
6	Deep Learning for Image and Point Cloud Fusion in Autonomous Driving: A Review. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 722-739.	4.7	178
7	Improved design of dynamic vibration absorber by using the inerter and its application in vehicle suspension. Journal of Sound and Vibration, 2016, 361, 148-158.	2.1	153
8	YOLOv4-5D: An Effective and Efficient Object Detector for Autonomous Driving. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	142
9	Precise control of a four degree-of-freedom permanent magnet biased active magnetic bearing system in a magnetically suspended direct-driven spindle using neural network inverse scheme. Mechanical Systems and Signal Processing, 2017, 88, 36-48.	4.4	119
10	A Comparative Study of State-of-the-Art Deep Learning Algorithms for Vehicle Detection. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 82-95.	2.6	110
11	A Fast and Efficient Double-Tree RRT*-Like Sampling-Based Planner Applying on Mobile Robotic Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2568-2578.	3.7	104
12	Robust Target Recognition and Tracking of Self-Driving Cars With Radar and Camera Information Fusion Under Severe Weather Conditions. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6640-6653.	4.7	98
13	Grey Wolf Optimization Algorithm Based State Feedback Control for a Bearingless Permanent Magnet Synchronous Machine. IEEE Transactions on Power Electronics, 2020, 35, 13631-13640.	5.4	96
14	Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. IEEE Internet of Things Journal, 2021, 8, 4035-4062.	5.5	91
15	A Comparative Analysis of LiDAR SLAM-Based Indoor Navigation for Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6907-6921.	4.7	87
16	SFNet-N: An Improved SFNet Algorithm for Semantic Segmentation of Low-Light Autonomous Driving Road Scenes. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21405-21417.	4.7	81
17	Performance Improvement of Torque and Suspension Force for a Novel Five-Phase BFSPM Machine for Flywheel Energy Storage Systems. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	67
18	A path and velocity planning method for lane changing collision avoidance of intelligent vehicle based on cubic 3-D Bezier curve. Advances in Engineering Software, 2019, 132, 65-73.	1.8	66

#	ARTICLE	IF	CITATIONS
19	FISS GAN: A Generative Adversarial Network for Foggy Image Semantic Segmentation. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1428-1439.	8.5	61
20	Turn Signal Detection During Nighttime by CNN Detector and Perceptual Hashing Tracking. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3303-3314.	4.7	59
21	Online Multi-Object Tracking Using Joint Domain Information in Traffic Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 374-384.	4.7	58
22	A New Framework of Vehicle Collision Prediction by Combining SVM and HMM. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 699-710.	4.7	57
23	Salient object detection based on multi-scale contrast. Neural Networks, 2018, 101, 47-56.	3.3	56
24	A New Magnetic-Planetary-Geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. IEEE Transactions on Magnetics, 2012, 48, 4642-4645.	1.2	53
25	VSe <sub>2</sub> /graphene nanocomposites as anode materials for lithium-ion batteries. Materials Letters, 2015, 141, 35-38.	1.3	53
26	Pedestrian Motion Trajectory Prediction in Intelligent Driving from Far Shot First-Person Perspective Video. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5298-5313.	4.7	53
27	A forward collision avoidance algorithm based on driver braking behavior. Accident Analysis and Prevention, 2019, 129, 30-43.	3.0	52
28	A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. IEEE Transactions on Vehicular Technology, 2020, 69, 10581-10595.	3.9	50
29	Application of hybrid electromagnetic suspension in vibration energy regeneration and active control. JVC/Journal of Vibration and Control, 2018, 24, 223-233.	1.5	49
30	Vehicle height and posture control of the electronic air suspension system using the hybrid system approach. Vehicle System Dynamics, 2016, 54, 328-352.	2.2	46
31	Disturbance rejection based on iterative learning control with extended state observer for a four-degree-of-freedom hybrid magnetic bearing system. Mechanical Systems and Signal Processing, 2021, 153, 107465.	4.4	46
32	Multi-Objective Optimization Design of a Magnetic Planetary Geared Permanent Magnet Brushless Machine by Combined Design of Experiments and Response Surface Methods. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
33	Moving-Object Detection From Consecutive Stereo Pairs Using Slanted Plane Smoothing. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3093-3102.	4.7	43
34	An Adaptive Traffic Signal Control in a Connected Vehicle Environment: A Systematic Review. Information (Switzerland), 2017, 8, 101.	1.7	41
35	General Theory of Skyhook Control and its Application to Semi-Active Suspension Control Strategy Design. IEEE Access, 2019, 7, 101552-101560.	2.6	41
36	Conditional DQN-Based Motion Planning With Fuzzy Logic for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2966-2977.	4.7	41

#	ARTICLE	IF	CITATIONS
37	DenseLightNet: A Light-Weight Vehicle Detection Network for Autonomous Driving. IEEE Transactions on Industrial Electronics, 2020, 67, 10600-10609.	5.2	40
38	Surface modification of coordination polymers to enable the construction of CoP/N,P-codoped carbon nanowires towards high-performance lithium storage. Journal of Colloid and Interface Science, 2020, 565, 503-512.	5.0	39
39	Soft-Weighted-Average Ensemble Vehicle Detection Method Based on Single-Stage and Two-Stage Deep Learning Models. IEEE Transactions on Intelligent Vehicles, 2021, 6, 100-109.	9.4	39
40	Three-Vector-Based Model Predictive Torque Control for a Permanent Magnet Synchronous Motor of EVs. IEEE Transactions on Transportation Electrification, 2021, 7, 1454-1465.	5.3	37
41	RGB-T SLAM: A flexible SLAM framework by combining appearance and thermal information. , 2017, , .		36
42	GOSMatch: Graph-of-Semantics Matching for Detecting Loop Closures in 3D LiDAR data. , 2020, , .		36
43	Suspension Force Modeling for a Bearingless Permanent Magnet Synchronous Motor Using Maxwell Stress Tensor Method. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	34
44	A modified energy-saving skyhook for active suspension based on a hybrid electromagnetic actuator. JVC/Journal of Vibration and Control, 2019, 25, 286-297.	1.5	34
45	Surrounding Vehicle Detection Using an FPGA Panoramic Camera and Deep CNNs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5110-5122.	4.7	34
46	Learning Driving Models From Parallel End-to-End Driving Data Set. Proceedings of the IEEE, 2020, 108, 262-273.	16.4	33
47	Environment-Attention Network for Vehicle Trajectory Prediction. IEEE Transactions on Vehicular Technology, 2021, 70, 11216-11227.	3.9	33
48	Trajectory Planning for Autonomous Mining Trucks Considering Terrain Constraints. IEEE Transactions on Intelligent Vehicles, 2021, 6, 772-786.	9.4	33
49	Three luminescent metal-organic frameworks constructed from trinuclear zinc clusters and furan-2,5-dicarboxylate. CrystEngComm, 2015, 17, 5101-5109.	1.3	32
50	Real-Time Vehicle Detection Algorithm Based on Vision and Lidar Point Cloud Fusion. Journal of Sensors, 2019, 2019, 1-9.	0.6	32
51	Driving range estimation for electric vehicles based on driving condition identification and forecast. AIP Advances, 2017, 7, .	0.6	31
52	Hierarchical Fe <sub>3</sub> O <sub>4</sub> @C nanofoams derived from metal-organic frameworks for high-performance lithium storage. Rare Metals, 2020, 39, 1072-1081.	3.6	31
53	Parameter Identification of Electrochemical Model for Vehicular Lithium-Ion Battery Based on Particle Swarm Optimization. Energies, 2017, 10, 1811.	1.6	30
54	Implementation and Development of a Trajectory Tracking Control System for Intelligent Vehicle. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 94, 251-264.	2.0	30

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55	Multi-Objective Coordination Control Strategy of Distributed Drive Electric Vehicle by Orientated Tire Force Distribution Method. IEEE Access, 2018, 6, 69559-69574.	2.6	29
56	Transforming a 3-D LiDAR Point Cloud Into a 2-D Dense Depth Map Through a Parameter Self-Adaptive Framework. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 165-176.	4.7	28
57	Travel Mode and Travel Route Choice Behavior Based on Random Regret Minimization: A Systematic Review. Sustainability, 2018, 10, 1185.	1.6	28
58	Robust Multi-Objective Optimization of a 3-Pole Active Magnetic Bearing Based on Combined Curves With Climbing Algorithm. IEEE Transactions on Industrial Electronics, 2022, 69, 5491-5501.	5.2	28
59	Hybrid modeling and predictive control of intelligent vehicle longitudinal velocity considering nonlinear tire dynamics. Nonlinear Dynamics, 2019, 97, 1051-1066.	2.7	27
60	End-to-End Autonomous Driving: An Angle Branched Network Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 11599-11610.	3.9	26
61	Night-Time Vehicle Detection Algorithm Based on Visual Saliency and Deep Learning. Journal of Sensors, 2016, 2016, 1-7.	0.6	25
62	Speed-dependent coordinated control of differential and assisted steering for in-wheel motor driven electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 1206-1220.	1.1	25
63	Bayes Saliency-Based Object Proposal Generator for Nighttime Traffic Images. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 814-825.	4.7	23
64	A Graph Optimization-Based Indoor Map Construction Method via Crowdsourcing. IEEE Access, 2018, 6, 33692-33701.	2.6	23
65	DLnet With Training Task Conversion Stream for Precise Semantic Segmentation in Actual Traffic Scene. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6443-6457.	7.2	23
66	N,S co-doped carbon confined MnO/MnS heterostructures derived from a one-step pyrolysis of Mn-methionine frameworks for advanced lithium storage. Journal of Alloys and Compounds, 2021, 860, 158451.	2.8	23
67	Design optimisation of an outer-rotor permanent magnet synchronous hub motor for a low-speed campus patrol EV. IET Electric Power Applications, 2020, 14, 2111-2118.	1.1	23
68	Modeling and optimal energy management of a power split hybrid electric vehicle. Science China Technological Sciences, 2017, 60, 713-725.	2.0	22
69	A Novel Strategy of Control Performance Improvement for Six-Phase Permanent Magnet Synchronous Hub Motor Drives of EVs Under New European Driving Cycle. IEEE Transactions on Vehicular Technology, 2021, 70, 5628-5637.	3.9	22
70	A Vehicle Detection Algorithm Based on Deep Belief Network. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	21
71	In situ synthesis of hierarchical mesoporous Fe <sub>3</sub> O <sub>4</sub> @C nanowires derived from coordination polymers for high-performance lithium-ion batteries. RSC Advances, 2014, 4, 51960-51965.	1.7	21
72	Night-Time Vehicle Sensing in Far Infrared Image with Deep Learning. Journal of Sensors, 2016, 2016, 1-8.	0.6	21

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73	Modeling and Optimization of Vehicle Suspension Employing a Nonlinear Fluid Inerter. Shock and Vibration, 2016, 2016, 1-9.	0.3	21
74	Stochastic Predictive Energy Management of Power Split Hybrid Electric Bus for Real-World Driving Cycles. IEEE Access, 2018, 6, 61700-61713.	2.6	21
75	Optimal Control for Hybrid Energy Storage Electric Vehicle to Achieve Energy Saving Using Dynamic Programming Approach. Energies, 2019, 12, 588.	1.6	21
76	Learning a Deep Cascaded Neural Network for Multiple Motion Commands Prediction in Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7585-7596.	4.7	21
77	An improved robust and sparse twin support vector regression via $\hat{A}$ linear programming. Soft Computing, 2014, 18, 2335-2348.	2.1	19
78	A Non-Rare-Earth Doubly Salient Flux Controllable Motor Capable of Fault-Tolerant Control. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	19
79	Vehicle height and leveling control of electronically controlled air suspension using mixed logical dynamical approach. Science China Technological Sciences, 2016, 59, 1814-1824.	2.0	19
80	Global replacement-based differential evolution with neighbor-based memory for dynamic optimization. Applied Intelligence, 2018, 48, 3280-3294.	3.3	19
81	A Vehicle Recognition Algorithm Based on Deep Transfer Learning with a Multiple Feature Subspace Distribution. Sensors, 2018, 18, 4109.	2.1	19
82	Review on multi- $\epsilon$ power sources dynamic coordinated control of hybrid electric vehicle during driving mode transition process. International Journal of Energy Research, 2020, 44, 6128-6148.	2.2	19
83	A Novel Saliency Detection Algorithm Based on Adversarial Learning Model. IEEE Transactions on Image Processing, 2020, 29, 4489-4504.	6.0	19
84	Vehicle vibration suppression using an inerter-based mechatronic device. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2592-2601.	1.1	19
85	Network synthesis and parameter optimization for vehicle suspension with inerter. Advances in Mechanical Engineering, 2017, 9, 168781401668470.	0.8	18
86	China's 12-Year Quest of Autonomous Vehicular Intelligence: The Intelligent Vehicles Future Challenge Program. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 6-19.	2.6	18
87	Robust sideslip angle observer with regional stability constraint for an uncertain singular intelligent vehicle system. IET Control Theory and Applications, 2018, 12, 1802-1811.	1.2	17
88	Analysis and optimization of energy efficiency for an electric vehicle with four independent drive in-wheel motors. Advances in Mechanical Engineering, 2018, 10, 168781401876554.	0.8	17
89	Estimation of Longitudinal Force and Sideslip Angle for Intelligent Four-Wheel Independent Drive Electric Vehicles by Observer Iteration and Information Fusion. Sensors, 2018, 18, 1268.	2.1	17
90	Design of Vehicle Running States-Fused Estimation Strategy Using Kalman Filters and Tire Force Compensation Method. IEEE Access, 2019, 7, 87273-87287.	2.6	17

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91	Overview of Bearingless Induction Motors. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	16
92	Multilevel framework to handle object occlusions for real-time tracking. <i>IET Image Processing</i> , 2016, 10, 885-892.	1.4	16
93	Incorporating the extended theory of planned behavior in a school travel mode choice model: a case study of Shaoxing, China. <i>Transportation Planning and Technology</i> , 2018, 41, 119-137.	0.9	16
94	Coordinated Control of Dual-Motor Using the Interval Type-2 Fuzzy Logic in Autonomous Steering System of AGV. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 1070-1086.	2.3	16
95	Three Principles to Determine the Right-of-Way for AVs: Safe Interaction With Humans. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7759-7774.	4.7	16
96	Sulfur/microporous carbon composites for Li-S battery. <i>Ionics</i> , 2015, 21, 2161-2170.	1.2	15
97	Study of the influence mechanism of pitch deviation on cylindrical helical gear meshing stiffness and vibration noise. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401772058.	0.8	15
98	Influence of fluid inerter nonlinearities on vehicle suspension performance. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773725.	0.8	15
99	A Comparative Study of Clustering Analysis Method for Driver's Steering Intention Classification and Identification under Different Typical Conditions. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1014.	1.3	15
100	Research on active collision avoidance algorithm for intelligent vehicle based on improved artificial potential field model. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142091123.	1.3	15
101	CenterNet3D: An Anchor Free Object Detector for Point Cloud. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 12953-12965.	4.7	15
102	Vehicle height control of electronic air suspension system based on mixed logical dynamical modelling. <i>Science China Technological Sciences</i> , 2015, 58, 1894-1904.	2.0	14
103	A study of the hydraulically interconnected inerter-spring-damper suspension system. <i>Mechanics Based Design of Structures and Machines</i> , 2017, 45, 415-429.	3.4	14
104	Study on the electrochemical performance of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ with different precursor. <i>Ionics</i> , 2012, 18, 649-653.	1.2	13
105	A high-performance control scheme for reluctance type bearingless motors. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017, 53, 537-549.	0.3	13
106	Vehicle Detection Based on Deep Dual-Vehicle Deformable Part Models. <i>Journal of Sensors</i> , 2017, 2017, 1-10.	0.6	13
107	Trajectory planning and optimisation method for intelligent vehicle lane changing emergently. <i>IET Intelligent Transport Systems</i> , 2018, 12, 1336-1344.	1.7	13
108	Vehicle Driving Risk Prediction Based on Markov Chain Model. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-12.	0.5	13

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109	Real-Time Route Recommendations for E-Taxis Leveraging GPS Trajectories. IEEE Transactions on Industrial Informatics, 2021, 17, 3133-3142.	7.2	13
110	Voxel-RCNN-Complex: An Effective 3-D Point Cloud Object Detector for Complex Traffic Conditions. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	13
111	Occluded vehicle detection with local connected deep model. Multimedia Tools and Applications, 2016, 75, 9277-9293.	2.6	12
112	Learning a Deep Motion Planning Model for Autonomous Driving. , 2018, , .		12
113	Piecewise Affine Identification of Tire Longitudinal Properties for Autonomous Driving Control Based on Data-Driven. IEEE Access, 2018, 6, 47424-47432.	2.6	12
114	Coordination Control Strategy for Human-Machine Cooperative Steering of Intelligent Vehicles: A Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21163-21177.	4.7	12
115	Design and analysis of herringbone gear with sixth-order transmission error based on meshing vibration optimization. Advances in Mechanical Engineering, 2017, 9, 168781401770435.	0.8	11
116	Structure Optimization of Battery Module With a Parallel Multi-Channel Liquid Cooling Plate Based on Orthogonal Test. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	1.1	11
117	Analysis of inductance characteristics for a bearingless permanent magnet synchronous motor. Electrical Engineering, 2013, 95, 277-286.	1.2	10
118	Effects of electrolyte concentration and synthesis methods of sulfur/carbon composites on the electrochemical performance in lithium-sulfur batteries. RSC Advances, 2015, 5, 54293-54300.	1.7	10
119	Modeling and control of a bearingless permanent magnet synchronous motor. International Journal of Applied Electromagnetics and Mechanics, 2017, 53, 151-165.	0.3	10
120	Improvement of the lateral stability of vehicle suspension incorporating inerter. Science China Technological Sciences, 2018, 61, 1244-1252.	2.0	10
121	High-Speed Scene Flow on Embedded Commercial Off-the-Shelf Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 1843-1852.	7.2	10
122	Parallel Motion Planning: Learning a Deep Planning Model against Emergencies. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 36-41.	2.6	10
123	Design and experimental study of the energy-regenerative circuit of a hybrid vehicle suspension. Science Progress, 2020, 103, 003685041987499.	1.0	10
124	Design of a hybrid model predictive controller for the vehicle height adjustment system of an electronic air suspension. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2016, 230, 1504-1520.	1.1	9
125	Car detection and classification using cascade model. IET Intelligent Transport Systems, 2018, 12, 1201-1209.	1.7	9
126	Modeling and experimental tests of hydraulic electric inerter. Science China Technological Sciences, 2019, 62, 2161-2169.	2.0	9



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127	A Collaborative Visual Tracking Architecture for Correlation Filter and Convolutional Neural Network Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3423-3435.	4.7	9
128	Identification of a piecewise affine model for the tire cornering characteristics based on experimental data. Nonlinear Dynamics, 2020, 101, 857-874.	2.7	9
129	Improved Vehicle LiDAR Calibration With Trajectory-Based Hand-Eye Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 215-224.	4.7	9
130	A sharing deep reinforcement learning method for efficient vehicle platooning control. IET Intelligent Transport Systems, 2022, 16, 1697-1709.	1.7	9
131	Scheduling of Autonomous Mining Trucks: Allocation Model Based Tabu Search Algorithm Development. , 2021, , .		9
132	A review of the development trend of adaptive cruise control for ecological driving. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 1931-1948.	1.1	9
133	Transfer learning-based highway crash risk evaluation considering manifold characteristics of traffic flow. Accident Analysis and Prevention, 2022, 168, 106598.	3.0	9
134	Dynamic Ride Height Adjusting Controller of ECAS Vehicle with Random Road Disturbances. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	8
135	Pedestrian detection algorithm in traffic scene based on weakly supervised hierarchical deep model. International Journal of Advanced Robotic Systems, 2017, 14, 172988141769231.	1.3	8
136	Car-to-Pedestrian Communication Safety System Based on the Vehicular Ad-Hoc Network Environment: A Systematic Review. Information (Switzerland), 2017, 8, 127.	1.7	8
137	Vehicle Tracking at Nighttime by Kernelized Experts With Channel-Wise and Temporal Reliability Estimation. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3159-3169.	4.7	8
138	A Robust Look-ahead Distance Tuning Strategy for the Geometric Path Tracking Controllers. , 2018, , .		8
139	A Semiactive Skyhook-Inertance Control Strategy Based on Continuously Adjustable Inerter. Shock and Vibration, 2018, 2018, 1-8.	0.3	8
140	Real-Time Vehicle Detection from Short-range Aerial Image with Compressed MobileNet. , 2019, , .		8
141	Design and Tests of a Controllable Inerter With Fluid-Air Mixture Condition. IEEE Access, 2020, 8, 125620-125629.	2.6	8
142	Research on path planning based on new fusion algorithm for autonomous vehicle. International Journal of Advanced Robotic Systems, 2020, 17, 172988142091123.	1.3	8
143	3D LiDAR/IMU Calibration Based on Continuous-Time Trajectory Estimation in Structured Environments. IEEE Access, 2021, 9, 138803-138816.	2.6	8
144	Bearing Fault Detection Via B-spline Constructed Sparse Method. IEEE Transactions on Instrumentation and Measurement, 2021, , 1-1.	2.4	8

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145	Surrounding Objects Detection and Tracking for Autonomous Driving Using LiDAR and Radar Fusion. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	8
146	Energy Conservation Analysis and Control of Hybrid Active Semiactive Suspension with Three Regulating Damping Levels. Shock and Vibration, 2016, 2016, 1-14.	0.3	7
147	Adas on Cots with OpenCL: A Case Study with Lane Detection. IEEE Transactions on Computers, 2018, 67, 559-565.	2.4	7
148	Road Detection for autonomous truck in mine environment. , 2019, , .		7
149	Torque distribution method based on vibration instability of PS-HEV transmission system. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 3491-3503.	1.1	7
150	Event-triggered nonlinear model predictive control for trajectory tracking of unmanned vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 2474-2483.	1.1	7
151	Optimal design of the vehicle mechatronic ISD suspension system using the structure-immittance approach. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 512-521.	1.1	7
152	Radial position control of a magnetically suspended rotor system in a direct-driven spindle using inverse system scheme. Transactions of the Institute of Measurement and Control, 2016, 38, 1073-1086.	1.1	6
153	Vehicle Detection by Fusing Part Model Learning and Semantic Scene Information for Complex Urban Surveillance. Sensors, 2018, 18, 3505.	2.1	6
154	DSNet: Joint Learning for Scene Segmentation and Disparity Estimation. , 2019, , .		6
155	Monocular Outdoor Semantic Mapping with a Multi-task Network. , 2019, , .		6
156	CAEâ€ƒGAN: A hybrid model for vehicle trajectory prediction. IET Intelligent Transport Systems, 2022, 16, 1682-1696.	1.7	6
157	A Lightweight Feature Map Creation Method for Intelligent Vehicle Localization in Urban Road Environments. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	6
158	A High-Performance Control Method of ConstantV/f-Controlled Induction Motor Drives for Electric Vehicles. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	5
159	Design of a new magnetic-planetary-gear outer-rotor permanent-magnet brushless motor for electric vehicles. , 2014, , .		5
160	Linearizing control of a permanent magnet linear synchronous motor with inverse system scheme plus an internal model controller. International Journal of Applied Electromagnetics and Mechanics, 2017, 55, 523-534.	0.3	5
161	Predictive Control of Vehicle ISD Suspension Based on a Hydraulic Electric Inerter. Shock and Vibration, 2019, 2019, 1-11.	0.3	5
162	An Automatic Vehicle Avoidance Control Model for Dangerous Lane-Changing Behavior. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8477-8487.	4.7	5

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163	Expedite Privacy-Preserving Emergency Communication Scheme for VANETs. International Journal of Distributed Sensor Networks, 2013, 9, 693930.	1.3	5
164	Road-Model-Based Road Boundary Extraction for High Definition Map via LIDAR. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18456-18465.	4.7	5
165	V2I-CARLA: A Novel Dataset and a Method for Vehicle Reidentification-Based V2I Environment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	5
166	A high-performance neural network vehicle dynamics model for trajectory tracking control. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 1695-1709.	1.1	5
167	On Fuzzy-PID Integrated Control of Automotive Electric Power Steering and Semi-Active Suspension. , 2008, , .		4
168	Crystal structure and electrochemical performance of La <sub>0.75</sub> Ce <sub>0.25</sub> Ni <sub>3.46</sub> Al <sub>0.17</sub> Mn <sub>0.04</sub> Co <sub>1.33</sub> alloy for high-power-type 29 Ah Ni-MH battery. Journal of Rare Earths, 2015, 33, 633-638.	2.5	4
169	Discriminant feature extraction for image recognition using complete robust maximum margin criterion. Machine Vision and Applications, 2015, 26, 857-870.	1.7	4
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