

Long Chen

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207
papers

3,159
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246
ext. papers

4,168
ext. citations

3.5
avg, IF

6.09
L-index

#	Paper	IF	Citations
207	Speed-Sensorless Vector Control of a Bearingless Induction Motor With Artificial Neural Network Inverse Speed Observer. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 1357-1366	5.5	190
206	High-Performance Control for a Bearingless Permanent-Magnet Synchronous Motor Using Neural Network Inverse Scheme Plus Internal Model Controllers. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3479-3488	8.9	167
205	Internal Model Control for a Bearingless Permanent Magnet Synchronous Motor Based on Inverse System Method. <i>IEEE Transactions on Energy Conversion</i> , 2016 , 31, 1539-1548	5.4	158
204	Overview of Bearingless Permanent-Magnet Synchronous Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5528-5538	8.9	148
203	Improved design of dynamic vibration absorber by using the inerter and its application in vehicle suspension. <i>Journal of Sound and Vibration</i> , 2016 , 361, 148-158	3.9	114
202	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. <i>Mechanical Systems and Signal Processing</i> , 2017 , 88, 36-48	7.8	101
201	Robust Lane Detection From Continuous Driving Scenes Using Deep Neural Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 41-54	6.8	92
200	Grey Wolf Optimization Algorithm Based State Feedback Control for a Bearingless Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13631-13640	7.2	64
199	Performance Improvement of Torque and Suspension Force for a Novel Five-Phase BFSPM Machine for Flywheel Energy Storage Systems. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	61
198	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 82-95	2.6	52
197	A Fast and Efficient Double-Tree RRT [*] -Like Sampling-Based Planner Applying on Mobile Robotic Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 2568-2578	5.5	51
196	Salient object detection based on multi-scale contrast. <i>Neural Networks</i> , 2018 , 101, 47-56	9.1	48
195	YOLOv4-5D: An Effective and Efficient Object Detector for Autonomous Driving. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	45
194	VSe ₂ /graphene nanocomposites as anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2015 , 141, 35-38	3.3	41
193	A New Magnetic-Planetary-Geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4642-4645	2	41
192	Turn Signal Detection During Nighttime by CNN Detector and Perceptual Hashing Tracking. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3303-3314	6.1	39
191	Multi-Objective Optimization Design of a Magnetic Planetary Geared Permanent Magnet Brushless Machine by Combined Design of Experiments and Response Surface Methods. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	38

190	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 699-710	6.1	36
189	Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4035-4062	10.7	35
188	Application of hybrid electromagnetic suspension in vibration energy regeneration and active control. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 223-233	2	34
187	Deep Learning for Image and Point Cloud Fusion in Autonomous Driving: A Review. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-18	6.1	34
186	A path and velocity planning method for lane changing collision avoidance of intelligent vehicle based on cubic 3-D Bezier curve. <i>Advances in Engineering Software</i> , 2019 , 132, 65-73	3.6	31
185	Vehicle height and posture control of the electronic air suspension system using the hybrid system approach. <i>Vehicle System Dynamics</i> , 2016 , 54, 328-352	2.8	30
184	Three luminescent metal-organic frameworks constructed from trinuclear zinc(II) clusters and furan-2,5-dicarboxylate. <i>CrystEngComm</i> , 2015 , 17, 5101-5109	3.3	30
183	Robust Target Recognition and Tracking of Self-Driving Cars With Radar and Camera Information Fusion Under Severe Weather Conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-14	6.1	30
182	Moving-Object Detection From Consecutive Stereo Pairs Using Slanted Plane Smoothing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3093-3102	6.1	29
181	Online Multi-Object Tracking Using Joint Domain Information in Traffic Scenarios. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 374-384	6.1	28
180	A forward collision avoidance algorithm based on driver braking behavior. <i>Accident Analysis and Prevention</i> , 2019 , 129, 30-43	6.1	26
179	Suspension Force Modeling for a Bearingless Permanent Magnet Synchronous Motor Using Maxwell Stress Tensor Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	26
178	Disturbance rejection based on iterative learning control with extended state observer for a four-degree-of-freedom hybrid magnetic bearing system. <i>Mechanical Systems and Signal Processing</i> , 2021 , 153, 107465	7.8	25
177	Implementation and Development of a Trajectory Tracking Control System for Intelligent Vehicle. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 94, 251-264	2.9	24
176	A Comparative Analysis of LiDAR SLAM-Based Indoor Navigation for Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-15	6.1	22
175	Real-Time Vehicle Detection Algorithm Based on Vision and Lidar Point Cloud Fusion. <i>Journal of Sensors</i> , 2019 , 2019, 1-9	2	21
174	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-16	6.1	21
173	Transforming a 3-D LiDAR Point Cloud Into a 2-D Dense Depth Map Through a Parameter Self-Adaptive Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 165-176	6.1	20

172	An Adaptive Traffic Signal Control in a Connected Vehicle Environment: A Systematic Review. <i>Information (Switzerland)</i> , 2017 , 8, 101	2.6	20
171	Hierarchical Fe ₃ O ₄ @C nanofoams derived from metal-organic frameworks for high-performance lithium storage. <i>Rare Metals</i> , 2020 , 39, 1072-1081	5.5	20
170	Modeling and optimal energy management of a power split hybrid electric vehicle. <i>Science China Technological Sciences</i> , 2017 , 60, 713-725	3.5	19
169	General Theory of Skyhook Control and its Application to Semi-Active Suspension Control Strategy Design. <i>IEEE Access</i> , 2019 , 7, 101552-101560	3.5	19
168	Multi-Objective Coordination Control Strategy of Distributed Drive Electric Vehicle by Orientated Tire Force Distribution Method. <i>IEEE Access</i> , 2018 , 6, 69559-69574	3.5	19
167	Three-Vector-Based Model Predictive Torque Control for a Permanent Magnet Synchronous Motor of EVs. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 1454-1465	7.6	19
166	Speed-dependent coordinated control of differential and assisted steering for in-wheel motor driven electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018 , 232, 1206-1220	1.4	18
165	RGB-T SLAM: A flexible SLAM framework by combining appearance and thermal information 2017 ,		18
164	DenseLightNet: A Light-Weight Vehicle Detection Network for Autonomous Driving. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10600-10609	8.9	18
163	Learning Driving Models From Parallel End-to-End Driving Data Set. <i>Proceedings of the IEEE</i> , 2020 , 108, 262-273	14.3	18
162	Surface modification of coordination polymers to enable the construction of CoP/N,P-codoped carbon nanowires towards high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 503-512	9.3	17
161	Parameter Identification of Electrochemical Model for Vehicular Lithium-Ion Battery Based on Particle Swarm Optimization. <i>Energies</i> , 2017 , 10, 1811	3.1	17
160	Bayes Saliency-Based Object Proposal Generator for Nighttime Traffic Images. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 814-825	6.1	17
159	A modified energy-saving skyhook for active suspension based on a hybrid electromagnetic actuator. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 286-297	2	17
158	In situ synthesis of hierarchical mesoporous Fe ₃ O ₄ @C nanowires derived from coordination polymers for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 51960-51965	3.7	17
157	An improved robust and sparse twin support vector regression via linear programming. <i>Soft Computing</i> , 2014 , 18, 2335-2348	3.5	17
156	Surrounding Vehicle Detection Using an FPGA Panoramic Camera and Deep CNNs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 5110-5122	6.1	17
155	Modeling and Optimization of Vehicle Suspension Employing a Nonlinear Fluid Inerter. <i>Shock and Vibration</i> , 2016 , 2016, 1-9	1.1	17

154	Travel Mode and Travel Route Choice Behavior Based on Random Regret Minimization: A Systematic Review. <i>Sustainability</i> , 2018 , 10, 1185	3.6	16
153	A Reinforcement Learning-Based Adaptive Path Tracking Approach for Autonomous Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 10581-10595	6.8	16
152	Night-Time Vehicle Detection Algorithm Based on Visual Saliency and Deep Learning. <i>Journal of Sensors</i> , 2016 , 2016, 1-7	2	16
151	Driving range estimation for electric vehicles based on driving condition identification and forecast. <i>AIP Advances</i> , 2017 , 7, 105206	1.5	15
150	A Non-Rare-Earth Doubly Salient Flux Controllable Motor Capable of Fault-Tolerant Control. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	15
149	Stochastic Predictive Energy Management of Power Split Hybrid Electric Bus for Real-World Driving Cycles. <i>IEEE Access</i> , 2018 , 6, 61700-61713	3.5	15
148	Network synthesis and parameter optimization for vehicle suspension with inerter. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401668470	1.2	14
147	Sulfur/microporous carbon composites for Li-S battery. <i>Ionics</i> , 2015 , 21, 2161-2170	2.7	14
146	Global replacement-based differential evolution with neighbor-based memory for dynamic optimization. <i>Applied Intelligence</i> , 2018 , 48, 3280-3294	4.9	14
145	End-to-End Autonomous Driving: An Angle Branched Network Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11599-11610	6.8	14
144	A vehicle detection algorithm based on deep belief network. <i>Scientific World Journal, The</i> , 2014 , 2014, 647380	2.2	14
143	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	1.2	13
142	Hybrid modeling and predictive control of intelligent vehicle longitudinal velocity considering nonlinear tire dynamics. <i>Nonlinear Dynamics</i> , 2019 , 97, 1051-1066	5	13
141	Vehicle height and leveling control of electronically controlled air suspension using mixed logical dynamical approach. <i>Science China Technological Sciences</i> , 2016 , 59, 1814-1824	3.5	13
140	Estimation of Longitudinal Force and Sideslip Angle for Intelligent Four-Wheel Independent Drive Electric Vehicles by Observer Iteration and Information Fusion. <i>Sensors</i> , 2018 , 18,	3.8	13
139	Overview of Bearingless Induction Motors. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-10	1.1	13
138	Night-Time Vehicle Sensing in Far Infrared Image with Deep Learning. <i>Journal of Sensors</i> , 2016 , 2016, 1-8	2	13
137	Vehicle vibration suppression using an inerter-based mechatronic device. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020 , 234, 2592-2601	1.4	13

136	Soft-Weighted-Average Ensemble Vehicle Detection Method Based on Single-Stage and Two-Stage Deep Learning Models. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021 , 6, 100-109	5	13
135	DLnet With Training Task Conversion Stream for Precise Semantic Segmentation in Actual Traffic Scene. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	13
134	A Graph Optimization-Based Indoor Map Construction Method via Crowdsourcing. <i>IEEE Access</i> , 2018 , 6, 33692-33701	3.5	13
133	A high-performance control scheme for reluctance type bearingless motors. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017 , 53, 537-549	0.4	12
132	Study on the electrochemical performance of LiNi _{0.5} Mn _{1.5} O ₄ with different precursor. <i>Ionics</i> , 2012 , 18, 649-653	2.7	12
131	Conditional DQN-Based Motion Planning With Fuzzy Logic for Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	12
130	N,S co-doped carbon confined MnO/MnS heterostructures derived from a one-step pyrolysis of Mn-methionine frameworks for advanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158451	5.7	12
129	A Novel Strategy of Control Performance Improvement for Six-Phase Permanent Magnet Synchronous Hub Motor Drives of EVs Under New European Driving Cycle. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 5628-5637	6.8	12
128	Robust sideslip angle observer with regional stability constraint for an uncertain singular intelligent vehicle system. <i>IET Control Theory and Applications</i> , 2018 , 12, 1802-1811	2.5	12
127	Design and analysis of herringbone gear with sixth-order transmission error based on meshing vibration optimization. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401770435	1.2	11
126	Vehicle height control of electronic air suspension system based on mixed logical dynamical modelling. <i>Science China Technological Sciences</i> , 2015 , 58, 1894-1904	3.5	11
125	Multilevel framework to handle object occlusions for real-time tracking. <i>IET Image Processing</i> , 2016 , 10, 885-892	1.7	11
124	Occluded vehicle detection with local connected deep model. <i>Multimedia Tools and Applications</i> , 2016 , 75, 9277-9293	2.5	11
123	A Vehicle Recognition Algorithm Based on Deep Transfer Learning with a Multiple Feature Subspace Distribution. <i>Sensors</i> , 2018 , 18,	3.8	11
122	FISS GAN: A Generative Adversarial Network for Foggy Image Semantic Segmentation. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1428-1439	7	11
121	Optimal Control for Hybrid Energy Storage Electric Vehicle to Achieve Energy Saving Using Dynamic Programming Approach. <i>Energies</i> , 2019 , 12, 588	3.1	10
120	A Novel Saliency Detection Algorithm Based On Adversarial Learning Model. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	10
119	Influence of fluid inerter nonlinearities on vehicle suspension performance. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401773725	1.2	10

118	A study of the hydraulically interconnected inerter-spring-damper suspension system. <i>Mechanics Based Design of Structures and Machines</i> , 2017 , 45, 415-429	1.7	10
117	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	2.6	10
116	Trajectory planning and optimisation method for intelligent vehicle lane changing emergently. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 1336-1344	2.4	10
115	SFNet-N: An Improved SFNet Algorithm for Semantic Segmentation of Low-Light Autonomous Driving Road Scenes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	10
114	Modeling and control of a bearingless permanent magnet synchronous motor. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017 , 53, 151-165	0.4	9
113	Vehicle Detection Based on Deep Dual-Vehicle Deformable Part Models. <i>Journal of Sensors</i> , 2017 , 2017, 1-10	2	9
112	Design of Vehicle Running States-Fused Estimation Strategy Using Kalman Filters and Tire Force Compensation Method. <i>IEEE Access</i> , 2019 , 7, 87273-87287	3.5	9
111	Analysis of inductance characteristics for a bearingless permanent magnet synchronous motor. <i>Electrical Engineering</i> , 2013 , 95, 277-286	1.5	9
110	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	1.6	9
109	Effects of electrolyte concentration and synthesis methods of sulfur/carbon composites on the electrochemical performance in lithium-sulfur batteries. <i>RSC Advances</i> , 2015 , 5, 54293-54300	3.7	8
108	Design of a hybrid model predictive controller for the vehicle height adjustment system of an electronic air suspension. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016 , 230, 1504-1520	1.4	8
107	Design optimisation of an outer-rotor permanent magnet synchronous hub motor for a low-speed campus patrol EV. <i>IET Electric Power Applications</i> , 2020 , 14, 2111-2118	1.8	8
106	Improvement of the lateral stability of vehicle suspension incorporating inerter. <i>Science China Technological Sciences</i> , 2018 , 61, 1244-1252	3.5	8
105	Review on multi-power sources dynamic coordinated control of hybrid electric vehicle during driving mode transition process. <i>International Journal of Energy Research</i> , 2020 , 44, 6128-6148	4.5	7
104	High-Speed Scene Flow on Embedded Commercial Off-the-Shelf Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1843-1852	11.9	7
103	A Collaborative Visual Tracking Architecture for Correlation Filter and Convolutional Neural Network Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 3423-3435	6.1	7
102	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	3.6	7
101	Trajectory Planning for Autonomous Mining Trucks Considering Terrain Constraints. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021 , 1-1	5	7

100	Piecewise Affine Identification of Tire Longitudinal Properties for Autonomous Driving Control Based on Data-Driven. <i>IEEE Access</i> , 2018 , 6, 47424-47432	3.5	7
99	Vehicle Driving Risk Prediction Based on Markov Chain Model. <i>Discrete Dynamics in Nature and Society</i> , 2018 , 2018, 1-12	1.1	7
98	Radial position control of a magnetically suspended rotor system in a direct-driven spindle using inverse system scheme. <i>Transactions of the Institute of Measurement and Control</i> , 2016 , 38, 1073-1086	1.8	6
97	Dynamic Ride Height Adjusting Controller of ECAS Vehicle with Random Road Disturbances. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	6
96	GOSMatch: Graph-of-Semantics Matching for Detecting Loop Closures in 3D LiDAR data 2020 ,		6
95	Design and experimental study of the energy-regenerative circuit of a hybrid vehicle suspension. <i>Science Progress</i> , 2020 , 103, 36850419874999	1.1	6
94	Real-Time Route Recommendations for E-Taxis Leveraging GPS Trajectories. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3133-3142	11.9	6
93	Robust Multi-Objective Optimization of A 3-Pole Active Magnetic Bearing Based on Combined Curves with Climbing Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6
92	Car detection and classification using cascade model. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 1201-1209	2.0	6
91	Voxel-RCNN-Complex: An Effective 3D Point Cloud Object Detector for Complex Traffic Conditions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	6
90	Adas on Cots with OpenCL: A Case Study with Lane Detection. <i>IEEE Transactions on Computers</i> , 2018 , 67, 559-565	2.5	5
89	Vehicle Tracking at Nighttime by Kernelized Experts With Channel-Wise and Temporal Reliability Estimation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 3159-3169	6.1	5
88	A Semiactive Skyhook-Inertance Control Strategy Based on Continuously Adjustable Inerter. <i>Shock and Vibration</i> , 2018 , 2018, 1-8	1.1	5
87	Car-to-Pedestrian Communication Safety System Based on the Vehicular Ad-Hoc Network Environment: A Systematic Review. <i>Information (Switzerland)</i> , 2017 , 8, 127	2.6	5
86	Design of a new magnetic-planetary-gear outer-rotor permanent-magnet brushless motor for electric vehicles 2014 ,		5
85	Torque distribution method based on vibration instability of PS-HEV transmission system. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020 , 234, 3491-3503	1.4	5
84	Environment-Attention Network for Vehicle Trajectory Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	5
83	Vehicle Detection by Fusing Part Model Learning and Semantic Scene Information for Complex Urban Surveillance. <i>Sensors</i> , 2018 , 18,	3.8	5

82	Analysis and optimization of energy efficiency for an electric vehicle with four independent drive in-wheel motors. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401876554	1.2	5
81	Bearing Fault Detection via B-Spline Constructed Sparse Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	5
80	DSNet: Joint Learning for Scene Segmentation and Disparity Estimation 2019 ,		4
79	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	1.4	4
78	Linearizing control of a permanent magnet linear synchronous motor with inverse system scheme plus an internal model controller. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017 , 55, 523-534	0.4	4
77	Predictive Control of Vehicle ISD Suspension Based on a Hydraulic Electric Inerter. <i>Shock and Vibration</i> , 2019 , 2019, 1-11	1.1	4
76	Pedestrian detection algorithm in traffic scene based on weakly supervised hierarchical deep model. <i>International Journal of Advanced Robotic Systems</i> , 2017 , 14, 172988141769231	1.4	4
75	Structure Optimization of Battery Module With a Parallel Multi-Channel Liquid Cooling Plate Based on Orthogonal Test. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020 , 17,	2	4
74	Expedite Privacy-Preserving Emergency Communication Scheme for VANETs. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 693930	1.7	4
73	Learning a Deep Cascaded Neural Network for Multiple Motion Commands Prediction in Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	4
72	Energy Conservation Analysis and Control of Hybrid Active Semiactive Suspension with Three Regulating Damping Levels. <i>Shock and Vibration</i> , 2016 , 2016, 1-14	1.1	4
71	Parallel Motion Planning: Learning a Deep Planning Model against Emergencies. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 36-41	2.6	4
70	Learning a Deep Motion Planning Model for Autonomous Driving 2018 ,		4
69	Crystal structure and electrochemical performance of La _{0.75} Ce _{0.25} Ni _{3.46} Al _{0.17} Mn _{0.04} Co _{1.33} alloy for high-power-type 29 Ah Ni-MH battery. <i>Journal of Rare Earths</i> , 2015 , 33, 633-638	3.7	3
68	Research on path planning based on new fusion algorithm for autonomous vehicle. <i>International Journal of Advanced Robotic Systems</i> , 2020 , 17, 172988142091123	1.4	3
67	Driving rule extraction based on cognitive behavior analysis. <i>Journal of Central South University</i> , 2020 , 27, 164-179	2.1	3
66	Real-Time Vehicle Detection from Short-range Aerial Image with Compressed MobileNet 2019 ,		3
65	A High-Performance Control Method of ConstantV/f-Controlled Induction Motor Drives for Electric Vehicles. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-10	1.1	3

64	CenterNet3D: An Anchor Free Object Detector for Point Cloud. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	3
63	Development of a digital control system for a belt-driven starter generator segmented switched reluctance motor for hybrid electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2020 , 234, 975-984	1	3
62	Collaborative Three-Dimensional Completion of Color and Depth in a Specified Area With Superpixels. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6260-6269	8.9	3
61	A 64-Line Lidar-Based Road Obstacle Sensing Algorithm for Intelligent Vehicles. <i>Scientific Programming</i> , 2018 , 2018, 1-7	1.4	3
60	Saliency Detection by Multilevel Deep Pyramid Model. <i>Journal of Sensors</i> , 2018 , 2018, 1-11	2	3
59	Optimal design of the vehicle mechatronic ISD suspension system using the structure-immittance approach. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 095440702110296	1.4	3
58	Research on Emergency Collision Avoidance System of Man-machine Cooperative Driving Vehicles Based on Additional Yaw Moment Control. <i>IEEE Access</i> , 2022 , 1-1	3.5	3
57	High-Resolution Driving Scene Synthesis Using Stacked Conditional Gans and Spectral Normalization 2019 ,		2
56	Discriminant feature extraction for image recognition using complete robust maximum margin criterion. <i>Machine Vision and Applications</i> , 2015 , 26, 857-870	2.8	2
55	Design optimization and analysis of a segmented-rotor switched reluctance machine for BSG application in HEVs. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020 , 63, 529-550	0.4	2
54	A Shift Vector Guided Multiobjective Evolutionary Algorithm Based on Decomposition for Dynamic Optimization. <i>IEEE Access</i> , 2020 , 8, 38391-38403	3.5	2
53	Design and evaluation of a new flux-intensifying permanent magnet brushless motor 2014 ,		2
52	Adaptive Nonlinear Control of Electric Power Steering System Combined with Active Suspension 2010 ,		2
51	On Fuzzy-PID Integrated Control of Automotive Electric Power Steering and Semi-Active Suspension 2008 ,		2
50	Identification of a piecewise affine model for the tire cornering characteristics based on experimental data. <i>Nonlinear Dynamics</i> , 2020 , 101, 857-874	5	2
49	Constant current control for regenerative braking of passive series hybrid power system. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12577	2.2	2
48	Study on Power Switching Process of a Hybrid Electric Vehicle with In-Wheel Motors. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-7	1.1	2
47	Three Principles to Determine the Right-of-Way for AVs: Safe Interaction With Humans. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-16	6.1	2

46	China's 12-Year Quest of Autonomous Vehicular Intelligence: The Intelligent Vehicles Future Challenge Program. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 13, 6-19	2.6	2
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