

Long Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

3,159
citations

27
h-index

47
g-index

246
ext. papers

4,168
ext. citations

3.5
avg, IF

6.09
L-index

#	Paper	IF	Citations
207	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
206	Road-Model-Based Road Boundary Extraction for High Definition Map via LIDAR. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-10	6.1	0
205	V2I-CARLA: A Novel Dataset and a Method for Vehicle Reidentification-Based V2I Environment. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-9	5.2	0
204	Transfer learning-based highway crash risk evaluation considering manifold characteristics of traffic flow.. <i>Accident Analysis and Prevention</i> , 2022 , 168, 106598	6.1	2
203	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
202	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
201	Simulation Analysis and Experiment Research on Hydro-Pneumatic ISD Suspension. <i>Shock and Vibration</i> , 2021 , 2021, 1-14	1.1	
200	A Decision Control Method for Autonomous Driving Based on Multi-Task Reinforcement Learning. <i>IEEE Access</i> , 2021 , 9, 154553-154562	3.5	
199	CenterNet3D: An Anchor Free Object Detector for Point Cloud. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-13	6.1	3
198	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
197	Data-Based Identification of the Tire Cornering Properties Via Piecewise Affine Approximation. <i>International Journal of Automotive Technology</i> , 2021 , 22, 631-641	1.6	0
196	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
195	Real-Time Route Recommendations for E-Taxis Leveraging GPS Trajectories. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3133-3142	11.9	6
194	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
193	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
192	MPTC of a six-phase PMSHM with auxiliary voltage vectors. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021 , 65, 763-779	0.4	
191	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

190	Dual context prior and refined prediction for semantic segmentation. <i>Geo-Spatial Information Science</i> , 2021 , 24, 228-240	3.5	0
189	Improved Vehicle LiDAR Calibration With Trajectory-Based Hand-Eye Method. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	1
188	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
187	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-16	6.1	21
186	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
185	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
184	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
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	Environment-Attention Network for Vehicle Trajectory Prediction. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	5
181	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
180	3D LiDAR/IMU Calibration Based on Continuous-time Trajectory Estimation in Structured Environments. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
179	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
178	Trajectory Planning for Autonomous Mining Trucks Considering Terrain Constraints. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021 , 1-1	5	7
177	Nano-grinding derived high-performance Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode material: from kilogram-scale synthesis to its pouch cell. <i>Ionics</i> , 2021 , 27, 491-506	2.7	0
176	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
175	Optimal Design and Dynamic Performance Analysis Based on the Asymmetric-Damping Vehicle ISD Suspension. <i>Shock and Vibration</i> , 2021 , 2021, 1-11	1.1	1
174	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
173	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

172	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
171	An Automatic Vehicle Avoidance Control Model for Dangerous Lane-Changing Behavior. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	1
170	Bearing Fault Detection via B-Spline Constructed Sparse Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	5
169	Special Issue on Internet of Things for Connected Automated Driving. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 3678-3680	10.7	1
168	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
167	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
166	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
165	Fast stereo visual odometry based on LK optical flow and ORB-SLAM2. <i>Multimedia Systems</i> , 2020 , 1	2.2	1
164	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
163	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
162	Expected yaw rate-based trajectory tracking control with vision delay for intelligent vehicle. <i>Science Progress</i> , 2020 , 103, 36850420934274	1.1	
161	A Shift Vector Guided Multiobjective Evolutionary Algorithm Based on Decomposition for Dynamic Optimization. <i>IEEE Access</i> , 2020 , 8, 38391-38403	3.5	2
160	A Novel Saliency Detection Algorithm Based On Adversarial Learning Model. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	10
159	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
158	Driving rule extraction based on cognitive behavior analysis. <i>Journal of Central South University</i> , 2020 , 27, 164-179	2.1	3
157	Driving cycle construction and combined driving cycle prediction for fuzzy energy management of electric vehicles. <i>International Journal of Energy Research</i> , 2020 , 45, 17094	4.5	1
156	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
155	GOSMatch: Graph-of-Semantics Matching for Detecting Loop Closures in 3D LiDAR data 2020 ,		6

154	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
153	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
152	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
151	Optimal Design and Experimental Research on a New Hybrid Electromagnetic Actuator for Vehicles. <i>IEEE Access</i> , 2020 , 8, 95768-95778	3.5	1
150	DenseLightNet: A Light-Weight Vehicle Detection Network for Autonomous Driving. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10600-10609	8.9	18
149	Research on modeling and compensation control strategy of automatic steering system. <i>Science Progress</i> , 2020 , 103, 36850419875027	1.1	
148	Learning Driving Models From Parallel End-to-End Driving Data Set. <i>Proceedings of the IEEE</i> , 2020 , 108, 262-273	14.3	18
147	Design and Tests of a Controllable Inerter With Fluid-Air Mixture Condition. <i>IEEE Access</i> , 2020 , 8, 1256203125629	3.5	1
146	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
145	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
144	Classification of Point Clouds for Indoor Components Using Few Labeled Samples. <i>Remote Sensing</i> , 2020 , 12, 2181	5	1
143	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
142	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
141	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
140	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
139	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
138	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
137	Mode Transition Control of a Power-Split Hybrid Electric Vehicle Based on Improved Extended State Observer. <i>IEEE Access</i> , 2020 , 8, 207260-207274	3.5	

136	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
135	Design and experimental study of the energy-regenerative circuit of a hybrid vehicle suspension. <i>Science Progress</i> , 2020 , 103, 36850419874999	1.1	6
134	Toward the Ghosting Phenomenon in a Stereo-Based Map With a Collaborative RGB-D Repair. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2739-2749	6.1	1
133	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
132	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
131	Vehicle license plate recognition method based on deep convolution network in complex road scene. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 2284-2292	1.4	0
130	High-Resolution Driving Scene Synthesis Using Stacked Conditional Gans and Spectral Normalization 2019 ,		2
129	DSNet: Joint Learning for Scene Segmentation and Disparity Estimation 2019 ,		4
128	A forward collision avoidance algorithm based on driver braking behavior. <i>Accident Analysis and Prevention</i> , 2019 , 129, 30-43	6.1	26
127	Hybrid modeling and predictive control of intelligent vehicle longitudinal velocity considering nonlinear tire dynamics. <i>Nonlinear Dynamics</i> , 2019 , 97, 1051-1066	5	13
126	Sideslip Angle Fusion Estimation Method of an Autonomous Electric Vehicle Based on Robust Cubature Kalman Filter with Redundant Measurement Information. <i>World Electric Vehicle Journal</i> , 2019 , 10, 34	2.5	1
125	Real-Time Vehicle Detection Algorithm Based on Vision and Lidar Point Cloud Fusion. <i>Journal of Sensors</i> , 2019 , 2019, 1-9	2	21
124	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
123	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 82-95	2.6	52
122	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
121	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
120	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
119	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

118	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
117	Real-Time Vehicle Detection from Short-range Aerial Image with Compressed MobileNet 2019 ,		3
116	Modeling and experimental tests of hydraulic electric inerter. <i>Science China Technological Sciences</i> , 2019 , 62, 2161-2169	3.5	1
115	Predictive Control of Vehicle ISD Suspension Based on a Hydraulic Electric Inerter. <i>Shock and Vibration</i> , 2019 , 2019, 1-11	1.1	4
114	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
113	Semantic Segmentation via Structured Refined Prediction and Dual Global Priors 2019 ,		1
112	End-to-End Autonomous Driving: An Angle Branched Network Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11599-11610	6.8	14
111	Parallel Motion Planning: Learning a Deep Planning Model against Emergencies. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019 , 11, 36-41	2.6	4
110	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
109	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
108	Global replacement-based differential evolution with neighbor-based memory for dynamic optimization. <i>Applied Intelligence</i> , 2018 , 48, 3280-3294	4.9	14
107	Salient object detection based on multi-scale contrast. <i>Neural Networks</i> , 2018 , 101, 47-56	9.1	48
106	Adas on Cots with OpenCL: A Case Study with Lane Detection. <i>IEEE Transactions on Computers</i> , 2018 , 67, 559-565	2.5	5
105	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
104	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
103	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
102	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
101	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 699-710	6.1	36

100	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
99	A Semiactive Skyhook-Inertance Control Strategy Based on Continuously Adjustable Inerter. <i>Shock and Vibration</i> , 2018 , 2018, 1-8	1.1	5
98	Agent-Based Simulation of Children's School Travel Mode with Parental Escort Decisions. <i>Information (Switzerland)</i> , 2018 , 9, 50	2.6	1
97	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
96	Travel Mode and Travel Route Choice Behavior Based on Random Regret Minimization: A Systematic Review. <i>Sustainability</i> , 2018 , 10, 1185	3.6	16
95	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
94	Design and Analysis of an Autobraking System Controller for Autonomous Vehicles Under the Influence of Perturbation. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 1923-1931	6.8	2
93	Trajectory planning and optimisation method for intelligent vehicle lane changing emergently. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 1336-1344	2.4	10
92	A 64-Line Lidar-Based Road Obstacle Sensing Algorithm for Intelligent Vehicles. <i>Scientific Programming</i> , 2018 , 2018, 1-7	1.4	3
91	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
90	Learning a Deep Motion Planning Model for Autonomous Driving 2018 ,		4
89	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
88	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
87	A Robust Look-ahead Distance Tuning Strategy for the Geometric Path Tracking Controllers 2018 ,		2
86	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
85	A Vehicle Recognition Algorithm Based on Deep Transfer Learning with a Multiple Feature Subspace Distribution. <i>Sensors</i> , 2018 , 18,	3.8	11
84	Car detection and classification using cascade model. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 1201-1209		6
83	A Reliable Road Segmentation and Edge Extraction for Sparse 3D Lidar Data 2018 ,		1

82	Vehicle Detection by Fusing Part Model Learning and Semantic Scene Information for Complex Urban Surveillance. <i>Sensors</i> , 2018 , 18,	3.8	5
81	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
80	Saliency Detection by Multilevel Deep Pyramid Model. <i>Journal of Sensors</i> , 2018 , 2018, 1-11	2	3
79	A Graph Optimization-Based Indoor Map Construction Method via Crowdsourcing. <i>IEEE Access</i> , 2018 , 6, 33692-33701	3.5	13
78	Improvement of the lateral stability of vehicle suspension incorporating inerter. <i>Science China Technological Sciences</i> , 2018 , 61, 1244-1252	3.5	8
77	Vehicle Driving Risk Prediction Based on Markov Chain Model. <i>Discrete Dynamics in Nature and Society</i> , 2018 , 2018, 1-12	1.1	7
76	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
75	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
74	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
73	Network synthesis and parameter optimization for vehicle suspension with inerter. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401668470	1.2	14
72	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
71	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
70	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
69	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
68	Comparison of torque characteristics for a novel segmented and a conventional switched reluctance motors 2017 ,		1
67	Visual Vehicle Tracking Based on Deep Representation and Semisupervised Learning. <i>Journal of Sensors</i> , 2017 , 2017, 1-6	2	1
66	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
65	Vehicle Detection Based on Deep Dual-Vehicle Deformable Part Models. <i>Journal of Sensors</i> , 2017 , 2017, 1-10	2	9

64	Parameter Identification of Electrochemical Model for Vehicular Lithium-Ion Battery Based on Particle Swarm Optimization. <i>Energies</i> , 2017 , 10, 1811	3.1	17
63	RGB-T SLAM: A flexible SLAM framework by combining appearance and thermal information 2017 ,		18
62	Influence of fluid inerter nonlinearities on vehicle suspension performance. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401773725	1.2	10
61	Driving range estimation for electric vehicles based on driving condition identification and forecast. <i>AIP Advances</i> , 2017 , 7, 105206	1.5	15
60	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
59	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
58	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
57	Improving the performance of ADAS application in heterogeneous context: A case of lane detection 2017 ,		1
56	Parameter matching and structure optimal design of a brushless DC motor for a battery electric vehicle 2017 ,		1
55	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
54	An Adaptive Traffic Signal Control in a Connected Vehicle Environment: A Systematic Review. <i>Information (Switzerland)</i> , 2017 , 8, 101	2.6	20
53	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
52	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
51	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
50	Multilevel framework to handle object occlusions for real-time tracking. <i>IET Image Processing</i> , 2016 , 10, 885-892	1.7	11
49	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
48	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
47	3D map repair after moving objects removing 2016 ,		1

46	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
45	Occluded vehicle detection with local connected deep model. <i>Multimedia Tools and Applications</i> , 2016 , 75, 9277-9293	2.5	11
44	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
43	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
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