Volkan Sezer

List of Publications by Year
in descending order

39 papers	489 citations	1478505 6 h-index	996975 15 g-index
40 all docs	40 docs citations	40 times ranked	454 citing authors

#	Article	IF	Citations
1	A new gap-based obstacle avoidance approach: follow the obstacle circle method. Robotica, 2022, 40, 2231-2254.	1.9	2
2	Super-k: A piecewise linear classifier based on Voronoi tessellations. Neurocomputing, 2022, 481, 67-76.	5.9	2
3	An Optimized Path Tracking Approach Considering Obstacle Avoidance and Comfort. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	4
4	Analysis and Improvement of Geometric Parallel Parking Methods with Respect to the Minimum Final Lateral Distance to the Parking Spot. International Journal of Intelligent Transportation Systems Research, 2021, 19, 441-455.	1.1	2
5	A novel point inclusion test for convex polygons based on Voronoi tessellations. Applied Mathematics and Computation, 2021, 399, 126001.	2.2	2
6	Motion Planning and Control with Randomized Payloads Using Deep Reinforcement Learning. , 2019, , .		3
7	State of Charge Estimation for Lithium-Ion Batteries In Electric and Hybrid Vehicles. , 2019, , .		0
8	Motion Planning and Control with Randomized Payloads on Real Robot Using Deep Reinforcement Learning. International Journal of Semantic Computing, 2019, 13, 541-563.	0.5	3
9	Driving shaft lifetime enhancement by hybrid electrification. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 572-584.	1.9	1
10	Autonomous Overtaking Maneuver Design based on Follow the Gap Method. , 2019, , .		2
11	Design and Implementation of Autonomous Parallel and Vertical Parking Mobile Vehicle. , 2018, , .		2
12	Design and Control of a Tennis Ball Collector Robot. , 2018, , .		3
13	Intersection Navigation Under Dynamic Constraints Using Deep Reinforcement Learning. , 2018, , .		3
14	Follow the Gap with Dynamic Window Approach. International Journal of Semantic Computing, 2018, 12, 43-57.	0.5	13
15	Intelligent decision making for overtaking maneuver using mixed observable Markov decision process. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 201-217.	4.2	15
16	Design and implementation of a new speed planner for semiautonomous systems. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 693-706.	1.4	3
17	A Hybrid Obstacle Avoidance Method: Follow the Gap with Dynamic Window Approach. , 2017, , .		19
18	Head gesture recognition via dynamic time warping and threshold optimization. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Improved Follow the Gap Method for obstacle avoidance. , 2017, , .		16
20	Combined fuzzy approach for online speed planning and control with real vehicle implementation. International Journal of Vehicle Design, 2015, 68, 329.	0.3	3
21	Towards autonomous navigation of unsignalized intersections under uncertainty of human driver intent. , 2015, , .		44
22	A new fuzzy speed planning method for safe navigation. , 2012, , .		5
23	A new fuzzy speed control strategy considering lateral vehicle dynamics. , 2012, , .		2
24	A novel obstacle avoidance algorithm: â€œFollow the Gap Methodâ€• Robotics and Autonomous Systems, 2012, 60, 1123-1134.	5.1	147
25	A Novel ECMS and Combined Cost Map Approach for High-Efficiency Series Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2011, 60, 3557-3570.	6.3	121
26	Conversion of a conventional electric automobile into an unmanned ground vehicle (UGV). , 2011, , .		13
27	Multi-sensor data fusion of DCM based orientation estimation for land vehicles. , 2011, , .		11
28	Framework for development of driver adaptive warning and assistance systems that will be triggered by a driver inattention monitor. International Journal of Vehicle Design, 2010, 52, 20.	0.3	6
29	Propulsion system design of a hybrid electric vehicle. International Journal of Vehicle Design, 2010, 52, 96.	0.3	11
30	Development of a Hybrid Electric Mid-Sized Bus for Urban Transport. , 2009, , .		1
31	Real-World Data Collection with â€œUYANIKâ€• , 2009, , 23-43.		10
32	Signal interfacing for hybrid electric vehicular electronics and an implementation study. , 2008, , .		2
33	Maximizing Overall Efficiency Strategy (MOES) for Power Split Control of a Parallel Hybrid Electric Vehicle. , 2008, , .		4
34	Electric Regenerative Power Assisted Brake Algorithm for a Front and Rear Wheel Drive Parallel Hybrid Electric Commercial Van. , 0, , .		4
35	MetrobÃ¼s Åžaft Torkunun SÄ±nÄ±rlandÄ±rÄ±lmasÄ±na YÃ¶nelik Hibrit GÃ¼Ã§ Aktarma YapÄ±sÄ± ve GÃ¼Ã§ YÃ¶netim Sistemi TasarÄ±mÄ±. GÃ¼mÃ¼ÅŸhane Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 0, , .	0.0	0
36	KAFA HAREKETLERÄ°YLE KONTROL EDÄ°LEBÄ°LEN YARI-OTONOM ELEKTRÄ°KLÄ° TEKERLEKLÄ° SANDALYE GELÄ°ÅžTÄ°RÄ°LMESÄ°. Gazi Ãœniversitesi Fen Bilimleri Dergisi, 0, , .	0.6	1

#	Article	IF	Citations
37	A NOVEL DATA ASSOCIATION TECHNIQUE TO IMPROVE RUN-TIME EFFICIENCY OF SLAM ALGORITHMS. Anadolu University Journal of Sciences & Technology, 0, , .	0.2	0
38	DEVELOPMENT OF AN AUTONOMOUS TENNIS BALL RETRIEVER ROBOT. MuÄŸla Journal of Science and Technology, 0, , .	0.1	0
39	Conversion of a Conventional Wheelchair into an Autonomous Personal Transportation Testbed. , 0, , .		5