Raivo Sell

List of Publications by Year
in descending order

48	353	1307594 7	1125743 13
papers	citations	h-index	g-index

49	49	49	179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Practical path planning techniques in overtaking for autonomous shuttles. Journal of Field Robotics, 2022, 39, 410-425.	6.0	7
2	Safety Toolkit for Automated Vehicle Shuttle -Practical Implementation of Digital Twin. , 2022, , .		1
3	Object Segmentation for Autonomous Driving Using iseAuto Data. Electronics (Switzerland), 2022, 11, 1119.	3.1	1
4	Safety System Assessment Case Study of Automated Vehicle Shuttle. Electronics (Switzerland), 2022, 11, 1162.	3.1	6
5	Language of Driving for Autonomous Vehicles. Applied Sciences (Switzerland), 2022, 12, 5406.	2.5	1
6	Cyber-physical Control System for Autonomous Logistic Robot. , 2021, , .		7
7	Safety Assessment and Simulation of Autonomous Vehicle in Urban Environments. IOP Conference Series: Materials Science and Engineering, 2021, 1140, 012032.	0.6	0
8	Lidarâ€“Camera Semi-Supervised Learning for Semantic Segmentation. Sensors, 2021, 21, 4813.	3.8	7
9	Autonomous Driving in the Real-World: The Weather Challenge in the Sohjoa Baltic Project. EAI/Springer Innovations in Communication and Computing, 2021, , 229-255.	1.1	5
10	Internet of Things Network Infrastructure for The Educational Purpose. , 2020, , .		9
11	Autonomous Last Mile Shuttle ISEAUTO for Education and Research. International Journal of Artificial Intelligence and Machine Learning, 2020, 10, 18-30.	0.4	7
12	Intelligent functions development on autonomous electric vehicle platform. Journal of Machine Engineering, 2020, 20, 114-125.	1.8	16
13	Development of a Validation Regime for an Autonomous Campus Shuttle. , 2020, , .		4
14	Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range. , 2020, , .		0
15	Virtual Simulations Environment Development for Autonomous Vehicles Interaction. , 2020, , .		6
16	Simulink/MATLAB based Comparison of Neural and Basic Tracking Control for an Autonomous Surface Vessel for Situation Awareness Applications. , 2019, , .		8
17	Single-Rate versus Three-Rate Neural Assisted Control Approaches for Coaxial Rotor Ducted Fan TUAV for Situation Awareness Applications. , 2019, , .		5
18	Integration of autonomous vehicles and Industry 4.0. Proceedings of the Estonian Academy of Sciences, 2019, 68, 389.	1.5	21

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19	Self-evaluation of Pedagogical Competencies of Academic Staff in the Context of Career Management. Advances in Intelligent Systems and Computing, 2018, , 436-446.	0.6	2
20	Propulsion Motor Drive Topology Selection for Further Development of ISEAUTO Self-Driving Car. , 2018, , .		7
21	Development case study of the first estonian self-driving car, iseauto. Electrical, Control and Communication Engineering, 2018, 14, 81-88.	0.8	34
22	Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems. , 2018, , .		0
23	Self-driving car ISEAUTO for research and education. , 2018, , .		27
24	Online tools and remote labs for making ICT more attractive for students to prevent dropout. , 2015, , .		1
25	USORA: Unified solution of remote access in practical vocational engineering education. , 2015, , .		0
26	The International Cooperation on Remote Laboratories in the Framework of Engineering Didactics. International Journal of Engineering Pedagogy, 2015, 5, 8.	1.1	3
27	First-year dropout in ICT studies. , 2015, , .		39
28	SimLab: Towards ten years of successful Estonian-German co-operation. , 2015, , .		1
29	Inductive Teaching and Learning in Engineering Pedagogy on the Example of Remote Labs. International Journal of Engineering Pedagogy, 2014, 4, 12.	1.1	8
30	The international cooperation on remote laboratories conducted with engineering didactics. , 2014, , .		0
31	A Review of Interventions to Recruit and Retain ICT Students. International Journal of Modern Education and Computer Science, 2014, 6, 45-54.	2.7	15
32	Inductive principles in engineering pedagogy on the example of remote labs. , 2013, , .		6
33	Remote laboratory environment for embedded system experiments. , 2013, , .		0
34	Early design and simulation toolkit for mobile robot platforms. International Journal of Product Development, 2013, 18, 168.	0.2	8
35	Remote Laboratory Portal for Robotic and Embedded System Experiments. International Journal of Online and Biomedical Engineering, 2013, 9, 23.	1.4	6
36	Comprehensive Blended Learning Concept for Teaching Micro Controller Technology Utilising HomeLab Kits and Remote Labs in a Virtual Web Environment. Lecture Notes in Computer Science, 2013, , 161-177.	1.3	5

#	Article	IF	Citations
37	Lab Description Language — A framework approach for describing and mediating remote and virtual labs. , 2012, , .		3
38	Embedded System and Robotic Education in a Blended Learning Environment Utilizing Remote and Virtual Labs in the Cloud, Accompanied by 'Robotic HomeLab Kit'. International Journal of Emerging Technologies in Learning, 2012, 7, 26.	1.3	19
39	Holistic Web-based Virtual Micro Controller Framework for Research and Education. International Journal of Online and Biomedical Engineering, 2012, 8, 58.	1.4	16
40	OPAS: Ontology Processing for Assisted Synthesis of Conceptual Design Solutions. , 2009, , .		5
41	A conceptual design method for the general electric vehicle. Estonian Journal of Engineering, 2008, 57, 3.	0.4	2
42	Remotely controlled multi robot environment. , 2008, , .		9
43	Conceptual design framework supported by dimensional analysis and System Modelling Language. Estonian Journal of Engineering, 2008, 57, 303.	0.4	13
44	Design templates for mobile robot conceptual design. , 2007, , .		1
45	Universal Navigation Algorithm Planning Platform for Unmanned Systems. Solid State Phenomena, 0, 164, 405-410.	0.3	3
46	Unmanned Ground Vehicle SysML Navigation Model Conducted by Energy Efficiency. Advanced Materials Research, 0, 905, 443-447.	0.3	3
47	Motion and Energy Efficiency Parameters of the Unmanned Ground Vehicle. Solid State Phenomena, 0, 220-221, 934-939.	0.3	5
48	Unmanned Ground Vehicle Energy Efficiency Validation in Territory Surveillance Mission. Solid State Phenomena, 0, 251, 164-170.	0.3	0