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	First-year dropout in ICT studies. , 2015, , .		39
2	Development case study of the first estonian self-driving car, iseauto. Electrical, Control and Communication Engineering, 2018, 14, 81-88.	0.8	34
3	Self-driving car ISEAUTO for research and education. , 2018, , .		27
4	Integration of autonomous vehicles and Industry 4.0. Proceedings of the Estonian Academy of Sciences, 2019, 68, 389.	1.5	21
5	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
6	Holistic Web-based Virtual Micro Controller Framework for Research and Education. International Journal of Online and Biomedical Engineering, 2012, 8, 58.	1.4	16
7	Intelligent functions development on autonomous electric vehicle platform. Journal of Machine Engineering, 2020, 20, 114-125.	1.8	16
8	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
9	Conceptual design framework supported by dimensional analysis and System Modelling Language. Estonian Journal of Engineering, 2008, 57, 303.	0.4	13
10	Remotely controlled multi robot environment. , 2008, , .		9
11	Internet of Things Network Infrastructure for The Educational Purpose. , 2020, , .		9
12	Early design and simulation toolkit for mobile robot platforms. International Journal of Product Development, 2013, 18, 168.	0.2	8
13	Inductive Teaching and Learning in Engineering Pedagogy on the Example of Remote Labs. International Journal of Engineering Pedagogy, 2014, 4, 12.	1.1	8
14	Simulink/MATLAB based Comparison of Neural and Basic Tracking Control for an Autonomous Surface Vessel for Situation Awareness Applications. , 2019, , .		8
15	Propulsion Motor Drive Topology Selection for Further Development of ISEAUTO Self-Driving Car. , 2018, , .		7
16	Autonomous Last Mile Shuttle ISEAUTO for Education and Research. International Journal of Artificial Intelligence and Machine Learning, 2020, 10, 18-30.	0.4	7
17	Cyber-physical Control System for Autonomous Logistic Robot. , 2021, , .		7
18	Lidarâ€“Camera Semi-Supervised Learning for Semantic Segmentation. Sensors, 2021, 21, 4813.	3.8	7

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19	Practical path planning techniques in overtaking for autonomous shuttles. Journal of Field Robotics, 2022, 39, 410-425.	6.0	7
20	Inductive principles in engineering pedagogy on the example of remote labs. , 2013, , .		6
21	Remote Laboratory Portal for Robotic and Embedded System Experiments. International Journal of Online and Biomedical Engineering, 2013, 9, 23.	1.4	6
22	Virtual Simulations Environment Development for Autonomous Vehicles Interaction. , 2020, , .		6
23	Safety System Assessment Case Study of Automated Vehicle Shuttle. Electronics (Switzerland), 2022, 11, 1162.	3.1	6
24	OPAS: Ontology Processing for Assisted Synthesis of Conceptual Design Solutions. , 2009, , .		5
25	Motion and Energy Efficiency Parameters of the Unmanned Ground Vehicle. Solid State Phenomena, 0, 220-221, 934-939.	0.3	5
26	Single-Rate versus Three-Rate Neural Assisted Control Approaches for Coaxial Rotor Ducted Fan TUAV for Situation Awareness Applications. , 2019, , .		5
27	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
28	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
29	Development of a Validation Regime for an Autonomous Campus Shuttle. , 2020, , .		4
30	Universal Navigation Algorithm Planning Platform for Unmanned Systems. Solid State Phenomena, 0, 164, 405-410.	0.3	3
31	Lab Description Language — A framework approach for describing and mediating remote and virtual labs. , 2012, , .		3
32	Unmanned Ground Vehicle SysML Navigation Model Conducted by Energy Efficiency. Advanced Materials Research, 0, 905, 443-447.	0.3	3
33	The International Cooperation on Remote Laboratories in the Framework of Engineering Didactics. International Journal of Engineering Pedagogy, 2015, 5, 8.	1.1	3
34	A conceptual design method for the general electric vehicle. Estonian Journal of Engineering, 2008, 57, 3.	0.4	2
35	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
36	Design templates for mobile robot conceptual design. , 2007, , .		1

#	Article	IF	Citations
37	Online tools and remote labs for making ICT more attractive for students to prevent dropout. , 2015, , .		1
38	SimLab: Towards ten years of successful Estonian-German co-operation. , 2015, , .		1
39	Safety Toolkit for Automated Vehicle Shuttle -Practical Implementation of Digital Twin. , 2022, , .		1
40	Object Segmentation for Autonomous Driving Using iseAuto Data. Electronics (Switzerland), 2022, 11, 1119.	3.1	1
41	Language of Driving for Autonomous Vehicles. Applied Sciences (Switzerland), 2022, 12, 5406.	2.5	1
42	Remote laboratory environment for embedded system experiments. , 2013, , .		0
43	The international cooperation on remote laboratories conducted with engineering didactics. , 2014, , .		0
44	USORA: Unified solution of remote access in practical vocational engineering education. , 2015, , .		0
45	Unmanned Ground Vehicle Energy Efficiency Validation in Territory Surveillance Mission. Solid State Phenomena, 0, 251, 164-170.	0.3	0
46	Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems. , 2018, , .		0
47	Safety Assessment and Simulation of Autonomous Vehicle in Urban Environments. IOP Conference Series: Materials Science and Engineering, 2021, 1140, 012032.	0.6	0
48	Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range. , 2020, , .		0