

Andres Udal

List of Publications by Year in descending order

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35
papers

122
citations

1683354

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1588620

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39
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39
docs citations

39
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model-Based LQR Control of an Obstacle Avoidance Maneuver of a Self-Driving Car. , 2022, , .		1
2	Task-Based Mobile Learning ISC-System: Built-In Coronavirus Immunity Confirmed. Advances in Intelligent Systems and Computing, 2021, , 604-616.	0.5	0
3	An Optimal Control Method for an Autonomous Surface Vessel for Environment Monitoring and Cargo Transportation Applications. , 2021, , .		3
4	A Trajectory Control Method for a Strongly Underactuated Spherical Underwater Surveillance Robot. , 2021, , .		1
5	High precision parabolic quantum wells grown using pulsed analog alloy grading technique: Photoluminescence probing and fractional-dimensional space approach. Journal of Luminescence, 2021, 239, 118321.	1.5	5
6	A Model-Based Adaptive Control of an Autonomous Driving Car for Lane Change Maneuver. , 2021, , .		1
7	Neural Predictive Tracking Control of Catamaran Model Sailboat for Situation Awareness Applications. , 2020, , .		9
8	Depopulation mechanism for incoherent terahertz source “THz torch” based on GaAsBi/GaAs quantum well in GaAs/AlGaAs parabolic quantum well. Lithuanian Journal of Physics, 2020, 60, .	0.1	1
9	Target Tracking by Neural Predictive Control of Autonomous Surface Vessel for Environment Monitoring and Cargo Transportation Applications. , 2020, , .		3
10	Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers. Nanotechnology, 2019, 30, 455001.	1.3	17
11	Simulink/MATLAB based Comparison of Neural and Basic Tracking Control for an Autonomous Surface Vessel for Situation Awareness Applications. , 2019, , .		8
12	Integrated Labs for Electrical Engineering Courses in Competence Based Learning Environment - Practical Experience. , 2019, , .		1
13	Single-Rate versus Three-Rate Neural Assisted Control Approaches for Coaxial Rotor Ducted Fan TUAV for Situation Awareness Applications. , 2019, , .		5
14	Spectral properties of incoherent terahertz torch based on parabolic Ga(As,Bi)/AlGaAs quantum wells. , 2019, , .		1
15	Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems. , 2018, , .		0
16	Comparison of Single-Rate and Two-Rate Neural Control Approaches for Coaxial Rotor/Ducted-Fan TUAV for Situational Awareness Applications. , 2018, , .		6
17	Development and Testing of a Compact Voice Command Recognition Algorithm for Limited Complexity Microcontroller Devices. , 2018, , .		0
18	Progress in Development of the Resonant Tunneling Diodes as Promising Compact Sources at the THz Gap Bottom. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 169-178.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Improved C5D Electronic Realization of Conductivity Detector for Capillary Electrophoresis. Elektronika Ir Elektrotechnika, 2016, 22, .	0.4	7
20	Numerical aspects of the development of Quantum Cascade Laser simulation software. , 2014, , .		0
21	Implementation of the robot arm in the interactive learning environment. , 2014, , .		2
22	The method of quantum optical communication based on entangled photon pairs. , 2014, , .		0
23	Competence based interactive learning with HomeLabKits: Experience and work in progress. , 2014, , .		0
24	New concepts of automatic answer evaluation in competence based learning. , 2014, , .		6
25	USB audio chip based oscilloscope and signal generator for mobile laboratories. , 2012, , .		1
26	Laterally pumped GaAs/AlGaAs quantum wells as sources of broadband terahertz radiation. Journal of Applied Physics, 2007, 102, 073715.	1.1	9
27	Investigation of Charge Carrier Lifetime Temperature-Dependence in 4H-SiC Diodes. Materials Science Forum, 2007, 556-557, 375-378.	0.3	6
28	Numerical Investigation of SiC Devices Performance Considering the Incomplete Dopant Ionization. Materials Science Forum, 2006, 527-529, 1383-1386.	0.3	0
29	High Phonon-Drag Thermoelectric Efficiency of SiC at Low Temperatures. Materials Science Forum, 2004, 457-460, 693-696.	0.3	4
30	Modeling of Lattice Heat Conductivity and Thermopower in SiC Considering the Four-Phonon Scattering Processes. Materials Science Forum, 2003, 433-436, 391-394.	0.3	2
31	Impact of Phonon Drag Effect on Seebeck Coefficient in p-6H-SiC: Experiment and Simulation. Materials Science Forum, 2003, 433-436, 407-410.	0.3	4
32	Thermopower Measurements in 4H-SiC and Theoretical Calculations Considering the Phonon Drag Effect. Materials Science Forum, 2001, 353-356, 491-494.	0.3	5
33	Measurement of Charge Carrier Lifetime Temperature-Dependence in 4H-SiC Power Diodes. Materials Science Forum, 2000, 338-342, 781-784.	0.3	4
34	SiC-diodes forward surge current failure mechanisms: Experiment and simulation. Microelectronics Reliability, 1997, 37, 1671-1674.	0.9	3
35	Numerical Analysis of the On-State of Diode Structures Based on Direct-Gap Semiconductors. Physica Scripta, 1981, 24, 468-471.	1.2	6