

Erik Vavrinsky

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

321
citations

1163117

8
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of sputtering parameters on crystalline structure of ZnO thin films. Thin Solid Films, 2007, 515, 8756-8760.	1.8	67
2	Structural and optical properties of sputtered ZnO thin films. Applied Surface Science, 2008, 254, 3643-3647.	6.1	66
3	The Current State of Optical Sensors in Medical Wearables. Biosensors, 2022, 12, 217.	4.7	35
4	Wood and Its Impact on Humans and Environment Quality in Health Care Facilities. International Journal of Environmental Research and Public Health, 2019, 16, 3496.	2.6	26
5	Application of Modern Multi-Sensor Holter in Diagnosis and Treatment. Sensors, 2020, 20, 2663.	3.8	21
6	Effect of etching time on structure of p-type porous silicon. Applied Surface Science, 2018, 461, 44-47.	6.1	17
7	Iron oxide minerals in the human tissues. BioMetals, 2020, 33, 1-13.	4.1	14
8	Effect of etching time in hydrofluoric acid on the structure and morphology of n-type porous silicon. Applied Surface Science, 2020, 532, 147463.	6.1	10
9	The Concept of Advanced Multi-Sensor Monitoring of Human Stress. Sensors, 2021, 21, 3499.	3.8	10
10	Research and Development of a COVID-19 Tracking System in Order to Implement Analytical Tools to Reduce the Infection Risk. Sensors, 2022, 22, 526.	3.8	7
11	Monitoring of car driver physiological parameters. , 2010, , .		6
12	Biomedical signal amplifier for EMG wireless sensor system. , 2010, , .		6
13	Sensor System for Wireless Bio-Signal Monitoring. Procedia Chemistry, 2012, 6, 155-164.	0.7	5
14	Design of Sensor Systems for Long Time Electrodermal Activity Monitoring. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.3	5
15	Electrode configuration for EMG measurements. , 2010, , .		4
16	Monitoring of Psychosomatic Properties of Human Body by Skin Conductivity Measurements using Thin Film Microelectrode Arrays. , 2006, , .		3
17	Design of Non-Invasive Setup for Car Driver Biomonitoring. Procedia Chemistry, 2012, 6, 203-210.	0.7	3
18	Electro-Optical Monitoring and Analysis of Human Cognitive Processes. , 0, , .		3

#	ARTICLE	IF	CITATIONS
19	Preparation of transparent conductive AZO thin films for solar cells. , 2008, , .		2
20	Electrical biomonitoring towards mobile diagnostics of human stress influence. , 2009, , .		2
21	Preparation of Transparent Conductive AZO Thin Films for Solar Cells. , 0, , .		2
22	Application of Acceleration Sensors in Physiological Experiments. Journal of Electrical Engineering, 2014, 65, 304-308.	0.7	2
23	Novel ratio conductance electrochemical sensor based on thin film asymmetric microelectrodes. , 0, , .		1
24	Physical properties of transparent conductive oxides prepared by RF reactive sputtering. , 2006, , .		1
25	Reduction of Environmental Stress through Spatial Arrangements and Different Choices of Body Positions in Indoor Environment. Applied Mechanics and Materials, 0, 824, 259-266.	0.2	1
26	Optimization of the Position of Single-Lead Wireless Sensor with Low Electrodes Separation Distance for ECG-Derived Respiration. Advances in Electrical and Electronic Engineering, 2018, 16, .	0.3	1
27	Advanced Wireless Sensors Used to Monitor the Impact of Environment Design on Human Physiology. Advances in Electrical and Electronic Engineering, 2019, 17, .	0.3	1
28	Electro-Optical Monitoring of Human Cognitive Processes. , 2008, , .		0
29	Micro- / nano- structuralized interfaces of conductive and transparent thin-film microelectrodes for biomedical application. , 2009, , .		0
30	Alternative methods for heart-rate sensing. , 2011, , .		0
31	Complex measurement of human physiology using designed miniature wireless sensors. , 2014, , .		0
32	Environmental Simulations and their Role in the Research of Human Responses to Environmental Stimuli. Applied Mechanics and Materials, 2016, 861, 618-624.	0.2	0
33	The Use of Wireless Sensors and Advanced Technologies in Monitoring the Interaction Between Humans and the Environment Design. , 2018, , .		0
34	Electro-Optical Monitoring of Trisodium Citrate Applicable in Haemodialysis. , 2018, , .		0
35	Physiological Monitoring of Human Cognitive Processes. IFMBE Proceedings, 2009, , 330-334.	0.3	0