

# Oleg Avrunin

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

220  
citations

1307594

7  
h-index

1199594

12  
g-index

49  
all docs

49  
docs citations

49  
times ranked

41  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of the Nanoparticles Content in Cosmetic Medicines. Borneo Journal of Pharmacy, 2022, 5, 21-26.	0.2	0
2	Possibilities of Automated Diagnostics of Odontogenic Sinusitis According to the Computer Tomography Data. Sensors, 2021, 21, 1198.	3.8	26
3	ON THE EXCITATION OF LOCAL ELECTRIC CURRENT IN THE BIOLOGICAL ENVIRONMENT. Innovative Technologies and Scientific Solutions for Industries, 2021, , 106-112.	0.2	0
4	Applying Discriminant Analysis to Improve Telemedicine Diagnostics Quality. , 2021, , .		5
5	THE METHOD FOR PREDICTIVE ASSESSMENT OF THE CONDITION OF PATIENTS WITH ATOPIC DERMATITIS AT DIFFERENT STAGES OF THE DISEASE. Innovative Technologies and Scientific Solutions for Industries, 2021, , 63-71.	0.2	1
6	ON THE ACOUSTO-MAGNETIC METHOD OF MEASURING THE ACOUSTIC RESISTANCE OF LOCAL AREAS OF THE BIOLOGICAL TISSUE. Innovative Technologies and Scientific Solutions for Industries, 2021, , 72-79.	0.2	0
7	Application of Artificial Neural Networks for Analysis of Ice Recrystallization Process for Cryopreservation. IFMBE Proceedings, 2021, , 102-111.	0.3	1
8	Experience of the organization in Ukraine of the system of training of specialists for prosthetic industry according to international standards. NovÃ-j KollegÃ-um, 2021, 1, 19-28.	0.0	0
9	Validation of a solvent-based process for the smoothing of additively manufactured 3D models of nasal cavities. Current Directions in Biomedical Engineering, 2021, 7, 423-426.	0.4	0
10	Research Active Posterior Rhinomanometry Tomography Method for Nasal Breathing Determining Violations. Sensors, 2021, 21, 8508.	3.8	17
11	Detection of Chest Deviation During Breathing Using a Depth Camera. , 2021, , .		2
12	Possibilities of Differential Diagnosis of Atopic Dermatitis and Rash in COVID-19 Using Telemedicine Technologies. , 2021, , .		0
13	Determination of nasal breathing disorders according to computer tomography. , 2020, , .		1
14	DISTANCE TRAINING OF HIGHER EDUCATION SPECIALISTS USING VIRTUAL PRESENCE TECHNOLOGIES. , 2020, , .		1
15	REATION FEATURES OF DEVICES FOR TESTING NASAL BREATHING. , 2020, , .		0
16	Using Medical Imaging in Disaster Medicine. , 2020, , .		10
17	Improving the Quality of Telemedicine Diagnostic Imaging in Otolaryngology. , 2020, , .		1
18	Reducing the Risks of Medical Diagnosis in an Epidemic or Pandemic. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Improving the Methods for Visualization of Middle Ear Pathologies Based on Telemedicine Services in Remote Treatment. , 2020, , .		9
20	Ice Crystals Microscopic Images Segmentation Based on Active Contours. , 2019, , .		6
21	Peculiarities of Pre-Processing of Tomographic Images for Segmentation of Paranasal Sinuses. , 2019, , .		3
22	Wavelength-Selective Photoreduction of Colloidal CeO <sub>2</sub> Nanocrystals. Physica Status Solidi (B): Basic Research, 2019, 256, 1900325.	1.5	6
23	ANALYSIS OF HIGH-POWER NARROWBAND INTERFERENCE SUPPRESSION SYSTEM IN RADIOMETRIC RECEIVER. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2019, 78, 251-260.	0.4	2
24	Computed tomography dataset analysis for stereotaxic neurosurgery navigation. , 2019, , .		2
25	Virtual training system for tremor prevention. , 2019, , 9-14.		4
26	Experience of Developing a Laboratory Base for the Study of Modern Microprocessor Systems. , 2019, , .		2
27	ASSESSMENT OF THE DIAGNOSTIC VALUE OF THE METHOD OF COMPUTER OLFACTOMETRY. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Środowiska, 2019, 9, 18-21.	0.4	1
28	Formalization of the diagnosis of olfactory disorders. , 2019, , 23-30.		0
29	Application of 3D printing technologies in building patient-specific training systems for computing planning in rhinology. , 2019, , 1-8.		5
30	USING 3D PRINTING TECHNOLOGY TO FULL-SCALE SIMULATION OF THE UPPER RESPIRATORY TRACT. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Środowiska, 2019, 9, 60-63.	0.4	3
31	Automated method for structural segmentation of nasal airways based on cone beam computed tomography. , 2017, , .		6
32	Principles of computer planning in the functional nasal surgery. Przegląd Elektrotechniczny, 2017, 1, 142-145.	0.2	8
33	Using a priori data for segmentation anatomical structures of the brain. Przegląd Elektrotechniczny, 2017, 1, 104-107.	0.2	17
34	Study of the air flow mode in the nasal cavity during a forced breath. Proceedings of SPIE, 2017, , .	0.8	5
35	Quality improvement of diagnosis of the electromyography data based on statistical characteristics of the measured signals. Proceedings of SPIE, 2016, , .	0.8	4
36	CAPABILITIES TO VISUALIZE THE OPERATING REGION OF SURGICAL INTERVENTION RELATIVELY TO CRANIAL LANDMARKS FOR NEURONAVIGATION. EUREKA, Physics and Engineering, 2016, 1, 21-30.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Automatized technique for three-dimensional reconstruction of cranial implant based on symmetry. , 2015, , .		11
38	The Surgical Navigation System with Optical Position Determination Technology and Sources of Errors. Journal of Medical Imaging and Health Informatics, 2015, 5, 689-696.	0.3	16
39	Computer system for forecasting surgery on the eye muscles. Proceedings of SPIE, 2015, , .	0.8	0
40	Classification of CT-brain slices based on local histograms. , 2015, , .		6
41	Method of expression of certain bacterial microflora mucosa olfactory area. , 2015, , .		2
42	IMPROVING THE RELIABILITY OF RHINOMANOMETRY DIAGNOSTICS BY CONSIDERING STATISTICAL CHARACTERISTICS OF MEASURED SIGNALS. Telecommunications and Radio Engineering (English) Tj ETQq0 0 0 rgBT.4 Overlock 10 Tf 50		
43	An Attempt of the Determination of Aerodynamic Characteristics of Nasal Airways. Advances in Intelligent and Soft Computing, 2011, , 311-322.	0.2	10
44	Analysis of Changes of the Hydraulic Diameter and Determination of the Air Flow Modes in the Nasal Cavity. Advances in Intelligent and Soft Computing, 2011, , 303-310.	0.2	14