

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	Possibilities of Automated Diagnostics of Odontogenic Sinusitis According to the Computer Tomography Data. <i>Sensors</i> , 2021, 21, 1198.	3.8	26
2	Using a priori data for segmentation anatomical structures of the brain. <i>Przegląd Elektrotechniczny</i> , 2017, 1, 104-107.	0.2	17
3	Research Active Posterior Rhinomanometry Tomography Method for Nasal Breathing Determining Violations. <i>Sensors</i> , 2021, 21, 8508.	3.8	17
4	The Surgical Navigation System with Optical Position Determination Technology and Sources of Errors. <i>Journal of Medical Imaging and Health Informatics</i> , 2015, 5, 689-696.	0.3	16
5	Analysis of Changes of the Hydraulic Diameter and Determination of the Air Flow Modes in the Nasal Cavity. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 303-310.	0.2	14
6	Automatized technique for three-dimensional reconstruction of cranial implant based on symmetry. , 2015, , .		11
7	An Attempt of the Determination of Aerodynamic Characteristics of Nasal Airways. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 311-322.	0.2	10
8	Using Medical Imaging in Disaster Medicine. , 2020, , .		10
9	Improving the Methods for Visualization of Middle Ear Pathologies Based on Telemedicine Services in Remote Treatment. , 2020, , .		9
10	Principles of computer planning in the functional nasal surgery. <i>Przegląd Elektrotechniczny</i> , 2017, 1, 142-145.	0.2	8
11	Classification of CT-brain slices based on local histograms. , 2015, , .		6
12	Automated method for structural segmentation of nasal airways based on cone beam computed tomography. , 2017, , .		6
13	Ice Crystals Microscopic Images Segmentation Based on Active Contours. , 2019, , .		6
14	Wavelength-Selective Photoreduction of Colloidal CeO ₂ x Nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900325.	1.5	6
15	Applying Discriminant Analysis to Improve Telemedicine Diagnostics Quality. , 2021, , .		5
16	Study of the air flow mode in the nasal cavity during a forced breath. <i>Proceedings of SPIE</i> , 2017, , .	0.8	5
17	Application of 3D printing technologies in building patient-specific training systems for computing planning in rhinology. , 2019, , 1-8.		5
18	Quality improvement of diagnosis of the electromyography data based on statistical characteristics of the measured signals. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4

#	ARTICLE	IF	CITATIONS
19	Virtual training system for tremor prevention. , 2019, , 9-14.		4
20	Peculiarities of Pre-Processing of Tomographic Images for Segmentation of Paranasal Sinuses. , 2019, , .		3
21	IMPROVING THE RELIABILITY OF RHINOMANOMETRY DIAGNOSTICS BY CONSIDERING STATISTICAL CHARACTERISTICS OF MEASURED SIGNALS. Telecommunications and Radio Engineering (English) Tj ETQq1 1 0.784314 rgBT3/Overlo		3
22	USING 3D PRINTING TECHNOLOGY TO FULL-SCALE SIMULATION OF THE UPPER RESPIRATORY TRACT. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Āšrodowiska, 2019, 9, 60-63.	0.4	3
23	Method of expression of certain bacterial microflora mucosa olfactory area. , 2015, , .		2
24	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
25	Computed tomography dataset analysis for stereotaxic neurosurgery navigation. , 2019, , .		2
26	Experience of Developing a Laboratory Base for the Study of Modern Microprocessor Systems. , 2019, , .		2
27	Reducing the Risks of Medical Diagnosis in an Epidemic or Pandemic. , 2020, , .		2
28	Detection of Chest Deviation During Breathing Using a Depth Camera. , 2021, , .		2
29	Determination of nasal breathing disorders according to computer tomography. , 2020, , .		1
30	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
31	ASSESSMENT OF THE DIAGNOSTIC VALUE OF THE METHOD OF COMPUTER OLFACTOMETRY. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Āšrodowiska, 2019, 9, 18-21.	0.4	1
32	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
33	DISTANCE TRAINING OF HIGHER EDUCATION SPECIALISTS USING VIRTUAL PRESENCE TECHNOLOGIES. , 2020, , .		1
34	Application of Artificial Neural Networks for Analysis of Ice Recrystallization Process for Cryopreservation. IFMBE Proceedings, 2021, , 102-111.	0.3	1
35	Improving the Quality of Telemedicine Diagnostic Imaging in Otolaryngology. , 2020, , .		1
36	Computer system for forecasting surgery on the eye muscles. Proceedings of SPIE, 2015, , .	0.8	0

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37	ON THE EXCITATION OF LOCAL ELECTRIC CURRENT IN THE BIOLOGICAL ENVIRONMENT. Innovative Technologies and Scientific Solutions for Industries, 2021, , 106-112.	0.2	0
38	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
39	Formalization of the diagnosis of olfactory disorders. , 2019, , 23-30.		0
40	REATION FEATURES OF DEVICES FOR TESTING NASAL BREATHING. , 2020, , .		0
41	Experience of the organization in Ukraine of the system of training of specialists for prosthetic industry according to international standards. NovÅ-j KolegÅ-um, 2021, 1, 19-28.	0.0	0
42	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
43	Control of the Nanoparticles Content in Cosmetic Medicines. Borneo Journal of Pharmacy, 2022, 5, 21-26.	0.2	0
44	Possibilities of Differential Diagnosis of Atopic Dermatitis and Rash in COVID-19 Using Telemedicine Technologies. , 2021, , .		0