

Zhivko Bliznakov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

112
citations

6
h-index

10
g-index

26
ext. papers

180
ext. citations

2
avg, IF

2.08
L-index

#	Paper	IF	Citations
22	Thermoplastic 3D printing technology using a single filament for producing realistic patient-derived breast models.. <i>Physics in Medicine and Biology</i> , 2022 ,	3.8	1
21	An Approach for Development of a Physical Breast Phantom for X-ray Imaging Using an Inkjet Printer: Preliminary Results. <i>Lecture Notes in Networks and Systems</i> , 2022 , 384-389	0.5	
20	Experimental Evaluation of Physical Breast Phantoms for 2D and 3D Breast X-Ray Imaging Techniques. <i>IFMBE Proceedings</i> , 2021 , 544-552	0.2	2
19	Radiomics software for breast imaging optimization and simulation studies. <i>Physica Medica</i> , 2021 , 89, 114-128	2.7	1
18	Anthropomorphic Physical Breast Phantom Based on Patient Breast CT Data: Preliminary Results. <i>IFMBE Proceedings</i> , 2020 , 367-374	0.2	4
17	Models of breast lesions based on three-dimensional X-ray breast images. <i>Physica Medica</i> , 2019 , 57, 80-87.7		12
16	Development of breast lesions models database. <i>Physica Medica</i> , 2019 , 64, 293-303	2.7	12
15	Creation of Computational Breast Phantoms with Extracted Abnormalities from Real Patient Images. <i>IFMBE Proceedings</i> , 2019 , 213-217	0.2	
14	The Napoli-Varna-Davis project for virtual clinical trials in X-ray breast imaging 2019 ,		3
13	Suitability of low density materials for 3D printing of physical breast phantoms. <i>Physics in Medicine and Biology</i> , 2018 , 63, 175020	3.8	29
12	[OA216] Development of breast tumours models database. <i>Physica Medica</i> , 2018 , 52, 82	2.7	1
11	Evaluation of a breast software model for 2D and 3D X-ray imaging studies of the breast. <i>Physica Medica</i> , 2017 , 41, 78-86	2.7	12
10	Abstract ID: 66 Monte Carlo and analytical validation of a software breast phantom for X-ray mammography imaging. <i>Physica Medica</i> , 2017 , 42, 13	2.7	1
9	Breast tomosynthesis using the multiple projection algorithm adapted for stationary detectors. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 23-41	2.1	3
8	Modeling of small carbon fiber-reinforced polymers for X-ray imaging simulation. <i>Journal of Composite Materials</i> , 2015 , 49, 2541-2553	2.7	
7	Computer aided preoperative evaluation of the residual liver volume using computed tomography images. <i>Journal of Digital Imaging</i> , 2015 , 28, 231-9	5.3	4
6	Modelling of small CFRP aerostructure parts for X-ray imaging simulation. <i>International Journal of Structural Integrity</i> , 2014 , 5, 227-240	1	1

5	Study of suitability of new materials for use with physical breast phantoms 2013 ,		2
4	Comparison of algorithms for out-of-plane artifacts removal in digital tomosynthesis reconstructions. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 107, 75-83	6.9	2
3	Promoting harmonization of BME education in Europe: the CRH-BME Tempus project. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6522-5	0.9	6
2	Challenges of the biomedical engineering education in Europe. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 2959-62	0.9	6
1	Integrated software system for improving medical equipment management. <i>Biomedical Instrumentation and Technology</i> , 2003 , 37, 25-33	0.4	10