

Andrey V Batranin

List of Publications by Year in descending order

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29
papers

112
citations

1684188

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1474206

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all docs

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docs citations

29
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of transcatheter aortic valve replacement: Patient specific vs general approaches based on finite element analysis. <i>Computers in Biology and Medicine</i> , 2016, 69, 29-36.	7.0	36
2	Design of the X-Ray Micro-CT Scanner TOLMI-150-10 and its Perspective Application in Non-Destructive Evaluation. <i>Applied Mechanics and Materials</i> , 0, 379, 3-10.	0.2	10
3	Development of the method for the electron beam spatial distribution determination in the transverse plane. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	8
4	Microstructure and Compressive Behavior of Ti-6Al-4V Alloy Built by Electron Beam Free-Form Fabrication. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 7710-7721.	2.5	8
5	Setups for Tomographic Imaging with Submillimeter Spatial Resolution. <i>Journal of Physics: Conference Series</i> , 2014, 517, 012046.	0.4	7
6	Estimation of Radiation Doses in X-Ray Visualization of Biological Objects. <i>Advanced Materials Research</i> , 2014, 880, 53-56.	0.3	6
7	Theoretical study of a simplified implementation model of a dual-energy technique for computed tomography. <i>NDT and E International</i> , 2018, 98, 63-69.	3.7	6
8	Finite Element Analysis-Based Approach for Prediction of Aneurysm-Prone Arterial Segments. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 102-108.	1.8	6
9	Structure and properties of parts produced by electron-beam additive manufacturing. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
10	Numerical Method for Predicting Hemodynamic Effects in Vascular Prostheses. <i>Numerical Analysis and Applications</i> , 2019, 12, 326-337.	0.4	3
11	Limit Capabilities of Identifying Materials by High Dual- and Multi-Energy Methods. <i>Russian Journal of Nondestructive Testing</i> , 2019, 55, 687-699.	0.9	3
12	Predicting the Outcomes of Transcatheter Aortic Valve Prosthesis Implantation Based on the Finite Element Analysis and Microcomputer Tomography Data. <i>Sovremennyye Tehnologii V Medicine</i> , 2016, 8, 82-92.	1.1	3
13	Performance Evaluation of Micro-CT Scanners as Visualization Systems. <i>Advanced Materials Research</i> , 2015, 1084, 694-697.	0.3	2
14	Modernization of the X-Ray Tomographic Scanner Based on Gas-Discharge Linear Detector. <i>Journal of Physics: Conference Series</i> , 2016, 671, 012004.	0.4	2
15	Problems of Objects Identification in Three-dimensional X-ray Tomography. <i>Journal of Physics: Conference Series</i> , 2016, 671, 012035.	0.4	2
16	Polycapillary-based 3D X-ray imaging of porous organic materials. <i>Journal of Instrumentation</i> , 2018, 13, C07003-C07003.	1.2	2
17	Powder and wire melting of titanium alloys by electron beam. <i>Procedia Manufacturing</i> , 2019, 37, 584-591.	1.9	2
18	Hard X-ray Laue monochromator. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 135, 012018.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Checking the possibility of controlling fuel element by X-ray computerized tomography. Journal of Physics: Conference Series, 2017, 881, 012011.	0.4	1
20	Development of electron-beam equipment and technology for additive layer-wise wire cladding. AIP Conference Proceedings, 2019, , .	0.4	1
21	Study on the Spatial Structure of Ultrafine-Grained Light Alloys by Microtomography. Advanced Materials Research, 2015, 1084, 54-57.	0.3	0
22	A Simple Approach of Presampled Modulation Transfer Function Measurement Tested on the Phoenix Nanotom Scanner. Journal of Physics: Conference Series, 2016, 671, 012021.	0.4	0
23	Making 3D model of atrioventricular xenopericardial bioprosthesis from X-ray computed tomography data. , 2016, , .		0
24	Evaluation of the Effect of Moisture Content in the Wood Sample Structure on the Quality of Tomographic X-Ray Studies of Tree Rings of Stem Wood. Bulletin of the Lebedev Physics Institute, 2019, 46, 16-18.	0.6	0
25	Identification of Materials in Fragments of Large-Sized Objects in Containers by the Dual-Energy Method. Russian Journal of Nondestructive Testing, 2019, 55, 672-686.	0.9	0
26	Evaluation of a Failed Heart Valve Bioprosthesis Using Microcomputed Tomography. Sovremennye Tehnologii V Medicine, 2017, 9, 15.	1.1	0
27	A case report of bioprosthetic valve dysfunction after tricuspid valve replacement in a preschool patient: the contribution of pannus and calcification. Vestnik Transplantologii I Iskusstvennykh Organov, 2018, 20, 45-53.	0.4	0
28	The analysis of oauses of bioprosthetic valve dysfunction: the example of Â«UniLineÂ» bioprosthesis. Vestnik Transplantologii I Iskusstvennykh Organov, 2019, 21, 75-83.	0.4	0
29	Structural and mechanical properties of stainless steel formed under conditions of layer-by-layer fusion of a wire by an electron beam. Metal Working and Material Science, 2021, 23, 111-124.	0.3	0