

Jan Mikulka

List of Publications by Year in descending order

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35
papers

212
citations

1307594

7
h-index

1281871

11
g-index

36
all docs

36
docs citations

36
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement-Based Domain Parameter Optimization in Electrical Impedance Tomography Imaging. <i>Sensors</i> , 2021, 21, 2507.	3.8	24
2	Multimodal and Multiparametric Spatial Segmentation of Spine. , 2020, , .		0
3	Pediatric Spine Segmentation and Modeling Using Machine Learning. , 2019, , .		2
4	Designing a Cost-Effective Multiplexer for Electrical Impedance Tomography. , 2019, , .		3
5	A Novel Tool for Supervised Segmentation Using 3D Slicer. <i>Symmetry</i> , 2018, 10, 627.	2.2	9
6	Convergence error exploration for electrical impedance tomography problems with open and closed domains. , 2018, , .		5
7	Fludeoxyglucose metabolism modeling: An overview. , 2018, , .		0
8	Time-Efficient Perfusion Imaging Using DCE- and DSC-MRI. <i>Measurement Science Review</i> , 2018, 18, 262-271.	1.0	3
9	Characterization of the Embryogenic Tissue of the Norway Spruce Including a Transition Layer between the Tissue and the Culture Medium by Magnetic Resonance Imaging. <i>Measurement Science Review</i> , 2017, 17, 19-26.	1.0	0
10	Modeling the propagation of a modulated ultrasonic wave in a nonlinear medium. , 2017, , .		1
11	The optimization of electrical tomography algorithms. , 2017, , .		1
12	Electrical impedance tomography methods and algorithms processed with a GPU. , 2017, , .		21
13	The Evaluation of Noise Spectroscopy Tests. <i>Entropy</i> , 2016, 18, 443.	2.2	20
14	Advanced image segmentation methods using partial differential equations: A concise comparison. , 2016, , .		6
15	Parametric array as a source of audible signal. , 2016, , .		4
16	Tools for the evaluation of broadband signal tasks. , 2016, , .		0
17	Periodic material structures tested by the noise spectroscopy method. <i>Microsystem Technologies</i> , 2016, 22, 2783-2799.	2.0	2
18	MRI-Based Visualization of the Relaxation Times of Early Somatic Embryos. <i>Measurement Science Review</i> , 2016, 16, 54-61.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Parallelized calculation of the T2 relaxation time in MRI. , 2015, , .		0
20	Tissue segmentation of brain MRI. , 2015, , .		1
21	GPU-Accelerated Reconstruction of T2 Maps in Magnetic Resonance Imaging. Measurement Science Review, 2015, 15, 210-218.	1.0	27
22	In vitro motor patterns and electrophysiological changes in patients with colonic diverticular disease. International Journal of Colorectal Disease, 2013, 28, 1413-1422.	2.2	19
23	Segmentation of brain tumor parts in magnetic resonance images. , 2013, , .		6
24	Statistics-based classification of tissues in the mandibular region. , 2013, , .		0
25	Methods for the evaluation of quality in machine processing of biomedical images. , 2013, , .		0
26	Classification of jawbone cysts via orthopantomogram processing. , 2012, , .		6
27	Soft-tissues Image Processing: Comparison of Traditional Segmentation Methods with 2D active Contour Methods. Measurement Science Review, 2012, 12, .	1.0	28
28	ImageJ plug-ins for microscopic image processing. , 2011, , .		7
29	Gender Recognition Using PCA and DCT of Face Images. Lecture Notes in Computer Science, 2011, , 220-227.	1.3	10
30	Monitoring of Diseases Progression by MR. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 723-725.	0.4	0
31	Processing of MR Slices of Temporomandibular Disc for 3D Visualization. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 204-206.	0.4	4
32	Level Set Method in EIT Image Reconstructions. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 726-729.	0.4	0
33	3D Reconstruction in Magnetic Resonance Imaging. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 617-620.	0.4	0
34	Data processing in studying the temporomandibular joint, using MR imaging and sonographic techniques. , 2009, , .		1
35	Application of Advanced Methods of NMR Image Segmentation for Monitoring the Development of Growing Cultures. IFMBE Proceedings, 2009, , 190-193.	0.3	0