Antonella Belfatto

List of Publications by Year
in descending order

15 papers	**123** citations
1307594 **7** h-index	1281871 **11** g-index
15 all docs	**15** docs citations
15 times ranked	**185** citing authors

#	Article	IF	Citations
1	A Multiparameter Approach to Evaluate Post-Stroke Patients: An Application on Robotic Rehabilitation. Applied Sciences (Switzerland), 2018, 8, 2248.	2.5	24
2	Kinetic Models for Predicting Cervical Cancer Response to Radiation Therapy on Individual Basis Using Tumor Regression Measured *In Vivo* With Volumetric Imaging. Technology in Cancer Research and Treatment, 2016, 15, 146-158.	1.9	20
3	Stacked sparse autoencoder networks and statistical shape models for automatic staging of distal femur trochlear dysplasia. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1947.	2.3	13
4	Representative 3D shape of the distal femur, modes of variation and relationship with abnormality of the trochlear region. Journal of Biomechanics, 2019, 94, 67-74.	2.1	11
5	Predicting Knee Joint Instability Using a Tibio-Femoral Statistical Shape Model. Frontiers in Bioengineering and Biotechnology, 2020, 8, 253.	4.1	11
6	Tumor radio€sensitivity assessment by means of volume data and magnetic resonance indices measured on prostate tumor bearing rats. Medical Physics, 2016, 43, 1275-1284.	3.0	7
7	Modeling the Interplay Between Tumor Volume Regression and Oxygenation in Uterine Cervical Cancer During Radiotherapy Treatment. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 596-605.	6.3	7
8	Adaptive Mathematical Model of Tumor Response to Radiotherapy Based on CBCT Data. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 802-809.	6.3	7
9	Mathematical modeling of tumor response to radiation: radio-sensitivity correlation with BOLD, TOLD, ΔR_1 and ΔR_2^* investigated in large Dunning R3327-AT1 rat prostate tumors. , 2015, 2015, 3266-9.		5
10	Pair-wise vs group-wise registration in statistical shape model construction: representation of physiological and pathological variability of bony surface morphology. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 772-787.	1.6	5
11	Two€dimensional and doppler echocardiographic evaluation in twenty€one healthy *Python regius*. Veterinary Medicine and Science, 2021, 7, 1006-1014.	1.6	4
12	Model-Supported Radiotherapy Personalization: In silico Test of Hyper- and Hypo-Fractionation Effects. Frontiers in Physiology, 2018, 9, 1445.	2.8	3
13	A multi-metric registration strategy for the alignment of longitudinal brain images in pediatric oncology. Medical and Biological Engineering and Computing, 2020, 58, 843-855.	2.8	3
14	Comparison between model€predicted tumor oxygenation dynamics and vascular€flow€related Doppler indices. Medical Physics, 2017, 44, 2011-2019.	3.0	2
15	Modeling cervix cancer growth and response to radiation therapy: A validation study using patient volumetric tumor data. , 2014, , .		1