

Michael Velec

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.

25 papers	594 citations	13 h-index	24 g-index
26 ext. papers	705 ext. citations	2.3 avg, IF	3.64 L-index

#	Paper	IF	Citations
25	Simulated daily plan adaptation for magnetic resonance-guided liver stereotactic body radiotherapy. <i>Acta Oncologica</i> , 2021 , 60, 260-266	3.2	
24	MRI evaluation of normal tissue deformation and breathing motion under an abdominal compression device. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 90-97	2.3	1
23	Challenges in Reirradiation of Intrahepatic Tumors. <i>Seminars in Radiation Oncology</i> , 2020 , 30, 242-252	5.5	3
22	Redefining Ventricular Target Volume in Germinoma: Is Inclusion of Temporal Horns Necessary?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 104, 852-858	4	6
21	Extensive Unpredictable Pancreas Cancer Inter-fraction Motion: A Case Report. <i>Cureus</i> , 2019 , 11, e5047	1.2	
20	Patterns of practice of adaptive re-planning for anatomic variances during cone-beam CT guided radiotherapy. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2019 , 12, 50-55	1.9	8
19	Baseline Albumin-Bilirubin (ALBI) Score in Western Patients With Hepatocellular Carcinoma Treated With Stereotactic Body Radiation Therapy (SBRT). <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 101, 900-909	4	20
18	A simulation study to assess the potential impact of developing normal tissue complication probability models with accumulated dose. <i>Advances in Radiation Oncology</i> , 2018 , 3, 662-672	3.3	4
17	The rolling stones: An inappropriate surrogate for upper-abdominal image-guided radiation therapy. <i>Practical Radiation Oncology</i> , 2018 , 8, 369-372	2.8	0
16	Predictors of Liver Toxicity Following Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 97, 939-946	4	66
15	Validation of biomechanical deformable image registration in the abdomen, thorax, and pelvis in a commercial radiotherapy treatment planning system. <i>Medical Physics</i> , 2017 , 44, 3407-3417	4.4	31
14	Effect of deformable registration uncertainty on lung SBRT dose accumulation. <i>Medical Physics</i> , 2016 , 43, 233	4.4	37
13	Utility and validation of biomechanical deformable image registration in low-contrast images. <i>Practical Radiation Oncology</i> , 2015 , 5, e401-8	2.8	11
12	A hybrid biomechanical intensity based deformable image registration of lung 4DCT. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3359-73	3.8	24
11	Stereotactic Body Radiation Therapy for Liver Cancer: A Review of the Technology. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2015 , 46, 343-350	1.4	2
10	Accumulated Delivered Dose Response of Stereotactic Body Radiation Therapy for Liver Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 639-48	4	24
9	Dose escalated liver stereotactic body radiation therapy at the mean respiratory position. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 1121-1128	4	21

8	Simplified strategies to determine the mean respiratory position for liver radiation therapy planning. <i>Practical Radiation Oncology</i> , 2014 , 4, 160-166	2.8	10
7	A hybrid biomechanical intensity based deformable image registration of lung 4DCT 2014 ,		1
6	Accumulated dose in liver stereotactic body radiotherapy: positioning, breathing, and deformation effects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, 1132-40	4	58
5	A novel technique to enable experimental validation of deformable dose accumulation. <i>Medical Physics</i> , 2012 , 39, 765-76	4.4	50
4	Effect of breathing motion on radiotherapy dose accumulation in the abdomen using deformable registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 265-72	4	78
3	Deformable image registration of heterogeneous human lung incorporating the bronchial tree. <i>Medical Physics</i> , 2010 , 37, 4560-71	4.4	34
2	Cone-beam CT assessment of interfraction and intrafraction setup error of two head-and-neck cancer thermoplastic masks. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 949-55 ⁴		57
1	Sliding characteristic and material compressibility of human lung: parametric study and verification. <i>Medical Physics</i> , 2009 , 36, 4625-33	4.4	48