

Michael Velec

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2790262/michael-velec-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	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
24	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
23	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
22	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
21	A novel technique to enable experimental validation of deformable dose accumulation. <i>Medical Physics</i> , 2012 , 39, 765-76	4.4	50
20	Sliding characteristic and material compressibility of human lung: parametric study and verification. <i>Medical Physics</i> , 2009 , 36, 4625-33	4.4	48
19	Effect of deformable registration uncertainty on lung SBRT dose accumulation. <i>Medical Physics</i> , 2016 , 43, 233	4.4	37
18	Deformable image registration of heterogeneous human lung incorporating the bronchial tree. <i>Medical Physics</i> , 2010 , 37, 4560-71	4.4	34
17	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
16	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
15	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
14	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
13	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
12	Utility and validation of biomechanical deformable image registration in low-contrast images. <i>Practical Radiation Oncology</i> , 2015 , 5, e401-8	2.8	11
11	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
10	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
9	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

8	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
7	Challenges in Reirradiation of Intrahepatic Tumors. <i>Seminars in Radiation Oncology</i> , 2020 , 30, 242-252	5.5	3
6	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
5	A hybrid biomechanical intensity based deformable image registration of lung 4DCT 2014 ,		1
4	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
3	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
2	Extensive Unpredictable Pancreas Cancer Inter-fraction Motion: A Case Report. <i>Cureus</i> , 2019 , 11, e5047	1.2	
1	Simulated daily plan adaptation for magnetic resonance-guided liver stereotactic body radiotherapy. <i>Acta Oncologica</i> , 2021 , 60, 260-266	3.2	