

# Charles-Antoine Collins-Fekete

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11191736/publications.pdf>

Version: 2024-02-01

15  
papers

210  
citations

1307594

7  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

183  
citing authors

#	ARTICLE	IF	CITATIONS
1	A theoretical framework to predict the most likely ion path in particle imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 1777-1790.	3.0	42
2	Pre-treatment patient-specific stopping power by combining list-mode proton radiography and x-ray CT. <i>Physics in Medicine and Biology</i> , 2017, 62, 6836-6852.	3.0	31
3	A maximum likelihood method for high resolution proton radiography/proton CT. <i>Physics in Medicine and Biology</i> , 2016, 61, 8232-8248.	3.0	25
4	The impact of secondary fragments on the image quality of helium ion imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 195016.	3.0	25
5	Stopping power accuracy and achievable spatial resolution of helium ion imaging using a prototype particle CT detector system. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 401-404.	0.4	23
6	Experimental comparison of photon versus particle computed tomography to predict tissue relative stopping powers. <i>Medical Physics</i> , 2022, 49, 474-487.	3.0	13
7	Statistical limitations in proton imaging. <i>Physics in Medicine and Biology</i> , 2020, 65, 085011.	3.0	12
8	The accuracy of helium ion CT based particle therapy range prediction: an experimental study comparing different particle and x-ray CT modalities. <i>Physics in Medicine and Biology</i> , 2021, 66, 235010.	3.0	9
9	Theoretical considerations on the spatial resolution limit of single-event particle radiography. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 055002.	1.2	7
10	Statistical limitations in ion imaging. <i>Physics in Medicine and Biology</i> , 2021, 66, 105009.	3.0	6
11	Image quality evaluation of projection- and depth dose-based approaches to integrating proton radiography using a monolithic scintillator detector. <i>Physics in Medicine and Biology</i> , 2021, 66, 144001.	3.0	6
12	Assessment of the impact of CT calibration procedures for proton therapy planning on pediatric treatments. <i>Medical Physics</i> , 2021, 48, 5202-5218.	3.0	5
13	A novel proton-integrating radiography system design using a monolithic scintillator detector: Experimental studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1027, 166077.	1.6	4
14	Machine learning for proton path tracking in proton computed tomography. <i>Physics in Medicine and Biology</i> , 2021, 66, 105013.	3.0	2
15	Sci-Fri PM: Radiation Therapy, Planning, Imaging, and Special Techniques - 01: On the use of proton radiography to reduce beam range uncertainties and improve patient positioning accuracy in proton therapy. <i>Medical Physics</i> , 2016, 43, 4955-4955.	3.0	0