

# Adam Strzelecki

## List of Publications by Year in descending order

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21  
papers

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#	ARTICLE	IF	CITATIONS
1	Acuros $\langle \text{sc} \rangle \text{CTS} \langle / \text{sc} \rangle$ : A fast, linear Boltzmann transport equation solver for computed tomography scatter Part II $\langle \text{sc} \rangle \text{II} \langle / \text{sc} \rangle$ : System modeling, scatter correction, and optimization. Medical Physics, 2018, 45, 1914-1925.	1.6	58
2	A novel method based solely on field programmable gate array (FPGA) units enabling measurement of time and charge of analog signals in positron emission tomography (PET). Bio-Algorithms and Med-Systems, 2014, 10, 41-45.	1.0	31
3	Trigger-less and reconfigurable data acquisition system for positron emission tomography. Bio-Algorithms and Med-Systems, 2014, 10, 37-40.	1.0	20
4	Plastic scintillators for positron emission tomography obtained by the bulk polymerization method. Bio-Algorithms and Med-Systems, 2014, 10, 27-31.	1.0	19
5	3D PET image reconstruction based on the maximum likelihood estimation method (MLEM) algorithm. Bio-Algorithms and Med-Systems, 2014, 10, 1-7.	1.0	13
6	Studies of unicellular microorganisms <i>Saccharomyces cerevisiae</i> by means of positron annihilation lifetime spectroscopy. Nukleonika, 2015, 60, 749-753.	0.3	13
7	Reconstruction of hit time and hit position of annihilation quanta in the J-PET detector using the Mahalanobis distance. Nukleonika, 2015, 60, 765-769.	0.3	11
8	J-PET analysis framework for the prototype TOF-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 33-36.	1.0	7
9	Simulations of $\beta^+$ quanta scattering in a single module of the J-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 71-77.	1.0	5
10	Application of WLS strips for position determination in strip PET tomograph based on plastic scintillators. Bio-Algorithms and Med-Systems, 2014, 10, 59-63.	1.0	5
11	Calibration of photomultipliers gain used in the J-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 13-17.	1.0	5
12	Processing optimization with parallel computing for the J-PET scanner. Nukleonika, 2015, 60, 745-748.	0.3	5
13	Database and data structure for the novel TOF-PET detector developed for the J-PET project. Bio-Algorithms and Med-Systems, 2014, 10, 79-83.	1.0	4
14	Computing support for advanced medical data analysis and imaging. Bio-Algorithms and Med-Systems, 2014, 10, 53-58.	1.0	3
15	Determination of the map of efficiency of the Jagiellonian Positron Emission Tomograph (J-PET) detector with the GATE package. Bio-Algorithms and Med-Systems, 2014, 10, 85-90.	1.0	3
16	A novel method for calibration and monitoring of time synchronization of TOF-PET scanners by means of cosmic rays. Bio-Algorithms and Med-Systems, 2014, 10, 19-25.	1.0	3
17	J-PET: A Novel TOF-PET Detector based on Plastic Scintillators. , 2016, , .		3
18	Application of the compress sensing theory for improvement of the TOF resolution in a novel J-PET instrument. Nukleonika, 2016, 61, 35-39.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Reducing residual motion artifacts in iterative 3D CBCT reconstruction in image-guided radiation therapy. <i>Medical Physics</i> , 2021, 48, 6497-6507.	1.6	3
20	Searches for discrete symmetries violation in ortho-positronium decay using the J-PET detector. <i>Nukleonika</i> , 2015, 60, 729-732.	0.3	3
21	List-mode reconstruction in 2D strip PET. <i>Bio-Algorithms and Med-Systems</i> , 2014, 10, 9-12.	1.0	2