

Tomasz Kozik

List of Publications by Year in descending order

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39
docs citations

39
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381
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronization and Calibration of the 24-Modules J-PET Prototype With 300-mm Axial Field of View. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	8
2	Testing CPT symmetry in ortho-positronium decays with positronium annihilation tomography. Nature Communications, 2021, 12, 5658.	5.8	49
3	Positronium imaging with the novel multiphoton PET scanner. Science Advances, 2021, 7, eabh4394.	4.7	79
4	3D TOF-PET image reconstruction using total variation regularization. Physica Medica, 2020, 80, 230-242.	0.4	13
5	Hit-Time and Hit-Position Reconstruction in Strips of Plastic Scintillators Using Multithreshold Readouts. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 528-537.	2.7	3
6	Estimating relationship between the time over threshold and energy loss by photons in plastic scintillators used in the J-PET scanner. EJNMMI Physics, 2020, 7, 39.	1.3	21
7	Performance assessment of the 2 $\hat{1}^3$ positronium imaging with the total-body PET scanners. EJNMMI Physics, 2020, 7, 44.	1.3	44
8	Simulation studies of annihilation-photon \hat{e}^{TM} s polarisation via Compton scattering with the J-PET tomograph. Hyperfine Interactions, 2019, 240, 1.	0.2	1
9	Feasibility studies of the polarization of photons beyond the optical wavelength regime with the J-PET detector. European Physical Journal C, 2018, 78, 970.	1.4	32
10	A feasibility study of the time reversal violation test based on polarization of annihilation photons from the decay of ortho-Positronium with the J-PET detector. Hyperfine Interactions, 2018, 239, 1.	0.2	2
11	Commissioning of the J-PET detector in view of the positron annihilation lifetime spectroscopy. Hyperfine Interactions, 2018, 239, 1.	0.2	10
12	Novel scintillating material 2-(4-styrylphenyl)benzoxazole for the fully digital and MRI compatible J-PET tomograph based on plastic scintillators. PLoS ONE, 2017, 12, e0186728.	1.1	13
13	Analysis Procedure of the Positronium Lifetime Spectra for the J-PET Detector. Acta Physica Polonica A, 2017, 132, 1637-1641.	0.2	7
14	Time Calibration of the J-PET Detector. Acta Physica Polonica A, 2017, 132, 1641-1645.	0.2	3
15	Preliminary Studies of J-PET Detector Spatial Resolution. Acta Physica Polonica A, 2017, 132, 1645-1649.	0.2	13
16	J-PET: A Novel TOF-PET Detector based on Plastic Scintillators. , 2016, , .		3
17	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
18	Time resolution of the plastic scintillator strips with matrix photomultiplier readout for J-PET tomograph. Physics in Medicine and Biology, 2016, 61, 2025-2047.	1.6	99

#	ARTICLE	IF	CITATIONS
19	A novel TOF-PET detector based on plastic scintillators. , 2015, , .		1
20	From Light to Heavy Nuclear Systems, Production and Decay of Fragments Studied with Powerful Arrays. Acta Physica Polonica A, 2015, 127, 1548-1551.	0.2	0
21	A Pilot Study of the Novel J-PET Plastic Scintillator with 2-(4-styrylphenyl)benzoxazole as a Wavelength Shifter. Acta Physica Polonica A, 2015, 127, 1487-1490.	0.2	11
22	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
23	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
24	Computing support for advanced medical data analysis and imaging. Bio-Algorithms and Med-Systems, 2014, 10, 53-58.	1.0	3
25	Simulations of \hat{I}^3 quanta scattering in a single module of the J-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 71-77.	1.0	5
26	Trigger-less and reconfigurable data acquisition system for positron emission tomography. Bio-Algorithms and Med-Systems, 2014, 10, 37-40.	1.0	20
27	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
28	J-PET analysis framework for the prototype TOF-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 33-36.	1.0	7
29	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
30	Plastic scintillators for positron emission tomography obtained by the bulk polymerization method. Bio-Algorithms and Med-Systems, 2014, 10, 27-31.	1.0	19
31	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
32	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
33	Calibration of photomultipliers gain used in the J-PET detector. Bio-Algorithms and Med-Systems, 2014, 10, 13-17.	1.0	5
34	List-mode reconstruction in 2D strip PET. Bio-Algorithms and Med-Systems, 2014, 10, 9-12.	1.0	2
35	The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1.	1.0	63
36	NEW DETECTOR SYSTEM FOR SUPER HEAVY ELEMENTS DETECTION. International Journal of Modern Physics E, 2010, 19, 672-677.	0.4	1

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37	High pT results for Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2004, 33, s603-s605.	1.4	0
38	Strangeness production in $\sqrt{s_{NN}} = 200$ GeV Au+Au collisions at RHIC. European Physical Journal C, 2004, 33, s624-s626.	1.4	0