

Mateusz Suchanek

List of Publications by Year in descending order

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15
papers

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1307594

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docs citations

15
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Osmotic Dehydration Process in Plant Tissue with Low-Field Magnetic Resonance Imaging Enhanced with Paramagnetic Ions. Processes, 2020, 8, 887.	2.8	1
2	A Novel System for Patient Ventilation and Dosing of Hyperpolarized ^3He for Magnetic Resonance Imaging of Human Lungs. Applied Sciences (Switzerland), 2020, 10, 3163.	2.5	2
3	Stop-Flow SEOP Polarizer for ^{129}Xe . Acta Physica Polonica A, 2019, 136, 1008-1017.	0.5	6
4	Low field MRI study of the potato cell membrane electroporation by pulsed electric field. Journal of Food Engineering, 2018, 231, 54-60.	5.2	17
5	Application of low-field MRI for quality assessment of "Conference"™ pears stored under controlled atmosphere conditions. Postharvest Biology and Technology, 2017, 124, 100-106.	6.0	26
6	Crystalline hydroxyapatite coatings synthesized under hydrothermal conditions on modified titanium substrates. Materials Science and Engineering C, 2015, 51, 57-63.	7.3	68
7	Visualization of fluid flow pathways in wood by low-field ^1H and ^3He contrast MRI. International Journal of Multiphase Flow, 2015, 72, 83-87.	3.4	2
8	Production of laser-polarized ^3He gas via metastability exchange optical pumping for magnetic resonance imaging. Bio-Algorithms and Med-Systems, 2014, 10, 129-137.	2.4	0
9	Spectroscopic issues in optical polarization of ^3He gas for Magnetic Resonance Imaging of human lungs. European Physical Journal: Special Topics, 2013, 222, 2103-2118.	2.6	1
10	A high-field ^3He metastability exchange optical pumping polarizer operating in a 1.5T medical scanner for lung magnetic resonance imaging. Journal of Applied Physics, 2013, 113, 204905.	2.5	10
11	Optimization of the pumping laser beam spatial profile in the MEOP experiment performed at elevated ^3He pressures. EPJ Applied Physics, 2011, 54, 20802.	0.7	9
12	Optical measurement of ^3He nuclear polarization for metastable exchange optical pumping studies at high magnetic field. European Physical Journal: Special Topics, 2007, 144, 67-74.	2.6	13
13	Metastability exchange optical pumping of ^3He at high pressure and high magnetic field for medical applications. European Physical Journal: Special Topics, 2007, 144, 255-263.	2.6	13
14	Magnetic resonance imaging using optically polarized ^3He . , 2005, , .		0
15	Magnetic Resonance Imaging at Low Magnetic Field Using Hyperpolarized ^3He Gas. Acta Physica Polonica A, 2005, 107, 491-506.	0.5	6