

Mateusz Suchanek

List of Publications by Year in descending order

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15
papers

174
citations

1307594

7
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

202
citing authors

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