

Oleksii Semeniuk

List of Publications by Year in descending order

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13
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Design and evaluation of 3D printable patient-specific applicators for gynecologic HDR brachytherapy. <i>Medical Physics</i> , 2021, 48, 4053-4063.	3.0	11
2	Performance optimization of capacitive motion sensing (CMS) system for intra-fraction motion detection during stereotactic radiosurgery. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 015013.	1.2	4
3	A Probe of Valence and Conduction Band Electronic Structure of Lead Oxide Films for Photodetectors. <i>ChemPhysChem</i> , 2019, 20, 3328-3335.	2.1	3
4	Release of carriers from traps enhanced by hopping. <i>Physical Review B</i> , 2018, 98, .	3.2	7
5	Investigation of photoconductivity and electric field distribution in CZT detectors by time-of-flight (TOF) and charge extraction by linearly increasing voltage (CELIV). <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13941-13951.	2.2	2
6	Field-enhanced mobility in the multiple-trapping regime. <i>Physical Review B</i> , 2018, 98, .	3.2	6
7	Transport of electrons in lead oxide studied by CELIV technique. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 035103.	2.8	13
8	Ion-assisted deposition of amorphous PbO layers. <i>Journal of Materials Science</i> , 2017, 52, 7937-7946.	3.7	20
9	X-ray spectroscopic study of amorphous and polycrystalline PbO films, $\hat{1}\pm$ -PbO, and $\hat{1}^2$ -PbO for direct conversion imaging. <i>Scientific Reports</i> , 2017, 7, 13159.	3.3	17
10	Characterization of polycrystalline lead oxide for application in direct conversion X-ray detectors. <i>Scientific Reports</i> , 2017, 7, 8659.	3.3	36
11	Amorphous lead oxide (a-PbO): suppression of signal lag via engineering of the layer structure. <i>Scientific Reports</i> , 2017, 7, 13272.	3.3	18
12	Charge transport mechanism in lead oxide revealed by CELIV technique. <i>Scientific Reports</i> , 2016, 6, 33359.	3.3	21
13	Lead monoxide $\hat{1}\pm$ -PbO: electronic properties and point defect formation. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 075803.	1.8	13