

Oleksii Semeniuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9516201/publications.pdf>

Version: 2024-02-01

13
papers

172
citations

1163117

8
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

218
citing authors

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