

# Evgenii Emelin

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

93  
citations

1684188

5  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deepening of domains at e-beam writing on the $\hat{z}$ surface of lithium niobate. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 195302.	2.8	3
2	X-ray diffraction by surface acoustic waves. <i>Journal of Applied Crystallography</i> , 2021, 54, 180-194.	4.5	2
3	Scanning Electron Microscopy Investigation of Surface Acoustic Wave Propagation in a $41^\circ$ YX-Cut of a LiNbO <sub>3</sub> Crystal/Si Layered Structure. <i>Crystals</i> , 2021, 11, 1082.	2.2	4
4	Domain engineering in LiNbO <sub>3</sub> crystals by e-beam and features of spatial distribution of electric field: Experiment and computer simulation. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	8
5	Photoresponse in Multilayer Graphene during the Passage of a Surface Acoustic Wave. <i>Technical Physics Letters</i> , 2020, 46, 220-223.	0.7	2
6	Single crystals of ferroelectric lithium niobate-tantalate LiNb <sub>1-x</sub> Ta <sub>x</sub> O <sub>3</sub> solid solutions for high-temperature sensor and actuator applications. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 1071-1076.	1.1	17
7	Piezoelectric Ca <sub>3</sub> NbGa <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> crystal: crystal growth, piezoelectric and acoustic properties. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	8
8	Domain formation in heavily doped LiNbO <sub>3</sub> :Mg crystals exposed to an electron beam. <i>Inorganic Materials</i> , 2015, 51, 607-612.	0.8	1
9	Surface acoustic wave propagation in graphene film. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	26
10	Piezoelectric La <sub>3</sub> Ga <sub>5.3</sub> Ta <sub>0.5</sub> Al <sub>0.2</sub> O <sub>14</sub> crystal: growth, crystal structure perfection, piezoelectric, and acoustic properties. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1477-1488.	2.3	5
11	Recording of domains by an electron beam on the surface of +Z cuts of lithium niobate. <i>Physics of the Solid State</i> , 2013, 55, 540-546.	0.6	14
12	Periodic domain structures in stoichiometric lithium niobate: Formation by electron beam. <i>Journal of Surface Investigation</i> , 2013, 7, 825-832.	0.5	3