

Dmitry Irzhak

List of Publications by Year in descending order

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24
papers

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1163117

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docs citations

24
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical theory for calculations of X-ray spectra from crystals modulated by surface acoustic waves. Journal of Applied Crystallography, 2004, 37, 52-61.	4.5	45
2	Surface acoustic wave propagation in graphene film. Journal of Applied Physics, 2015, 118, .	2.5	26
3	X-ray topography analysis of acoustic wave fields in the SAW-resonator structures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2081-2087.	3.0	24
4	Advanced piezoelectric crystal Ca ₃ TaGa ₃ Si ₂ O ₁₄ : growth, crystal structure perfection, and acoustic properties. Applied Physics A: Materials Science and Processing, 2014, 114, 1105-1112.	2.3	23
5	Single crystals of ferroelectric lithium niobate-tantalate LiNb _{1-x} Ta _x O ₃ solid solutions for high-temperature sensor and actuator applications. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 1071-1076.	1.1	17
6	Diffraction of a focused x-ray beam from La ₃ Ga ₅ SiO ₁₄ crystal modulated by surface acoustic waves. Journal of Applied Physics, 2011, 110, 124902.	2.5	14
7	Piezoelectric strain coefficients in La ₃ Ga _{5.3} Ta _{0.5} Al _{0.2} O ₁₄ and Ca ₃ TaGa ₃ Si ₂ O ₁₄ crystals. AIP Advances, 2013, 3, 102108.	1.3	10
8	Piezoelectric Ca ₃ NbGa ₃ Si ₂ O ₁₄ crystal: crystal growth, piezoelectric and acoustic properties. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	8
9	Direct growth of graphene film on piezoelectric La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ crystal. Physica Status Solidi - Rapid Research Letters, 2016, 10, 639-644.	2.4	8
10	Investigation of Periodic Domain Structures in Lithium Niobate Crystals. Ferroelectrics, 2007, 352, 134-142.	0.6	7
11	Investigation of the Piezoelectric Effect in LiNbO ₃ and LiTaO ₃ Crystals by X-Ray Diffraction. Ferroelectrics, 2007, 351, 163-175.	0.6	7
12	XBIC Investigation of the Grain Boundaries in Multicrystalline Si on the Laboratory X-Ray Source. Solid State Phenomena, 0, 178-179, 226-229.	0.3	7
13	X-ray diffraction study of surface acoustic waves and pseudo-surface acoustic waves propagation in La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ crystal. Journal of Applied Physics, 2013, 113, 144909.	2.5	7
14	Effect of local changes in the composition of the LiNb _{1-x} Ta _x O ₃ single crystal on the Raman spectra. Journal of Raman Spectroscopy, 2022, 53, 969-976.	2.5	7
15	Piezoelectric La ₃ Ga _{5.3} Ta _{0.5} Al _{0.2} O ₁₄ crystal: growth, crystal structure perfection, piezoelectric, and acoustic properties. Applied Physics A: Materials Science and Processing, 2014, 116, 1477-1488.	2.3	5
16	Two-dimensional X-ray focusing by off-axis grazing incidence phase Fresnel zone plate on the laboratory X-ray source. Optics Communications, 2017, 385, 15-18.	2.1	5
17	Raman Spectra of La ₃ Ga ₅ SiO ₁₄ Crystal Modulated by Bulk Acoustic Wave. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1048-1052.	3.0	3
18	X-Ray Diffraction on a LiNbO ₃ Crystal with a Short Period Regular Domain Structure. Ferroelectrics, 2009, 391, 122-127.	0.6	2

#	ARTICLE	IF	CITATIONS
19	X-ray diffraction by surface acoustic waves. Journal of Applied Crystallography, 2021, 54, 180-194.	4.5	2
20	Piezoelectric $\text{La}_{3-x}\text{Ga}_{5.3-x}\text{Ta}_{0.5-x}\text{Al}_{0.2-x}\text{O}_{14}$ crystal: Growth, crystal structure perfection, piezoelectric, and acoustic properties. , 2013, , .		0
21	Investigation of surface and pseudo-surface acoustic waves excitation and propagation in $\text{La}_{3-x}\text{Ga}_{5-x}\text{Ta}_{0.5-x}\text{Al}_{0.2-x}\text{O}_{14}$ crystal. , 2013, , .		0
22	X-ray analysis of surface and pseudo-surface acoustic waves propagation in disordered $\text{La}_3\text{Ga}_5\text{SiO}_{14}$ and ordered $\text{Ca}_3\text{TaGa}_3\text{Si}_2\text{O}_{14}$ crystals. , 2014, , .		0
23	Advanced ordered piezoelectric $\text{Ca}_3\text{NbGa}_3\text{Si}_2\text{O}_{14}$ crystal: Piezoelectric and acoustic properties. , 2014, , .		0
24	Acoustic properties of $\text{La}_3\text{Ga}_{5.3}\text{Ta}_{0.5}\text{Al}_{0.2}\text{O}_{14}$ crystal. Modern Electronic Materials, 2015, 1, 10-15.	0.6	0