

Evgeniy Dyakonov

List of Publications by Year in descending order

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16
papers

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1478505

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1281871

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all docs

21
docs citations

21
times ranked

41
citing authors

#	ARTICLE	IF	CITATIONS
1	Acousto-optic study of the unusual cases of reflection of bulk elastic waves in a paratellurite crystal. <i>Acoustical Physics</i> , 2012, 58, 107-116.	1.0	27
2	Semicollinear diffraction of light by ultrasound in a medium with strong elastic anisotropy. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2015, 118, 166-174.	0.6	17
3	Indium iodide single crystal: breakthrough material for infrared acousto-optics. <i>Optics Letters</i> , 2020, 45, 3435.	3.3	13
4	Implementation of the wide-angle acousto-optical interaction geometry in a mercury bromide single crystal. <i>Applied Optics</i> , 2021, 60, 2348.	1.8	11
5	Design of far-infrared acousto-optic tunable filter based on backward collinear interaction. <i>Ultrasonics</i> , 2018, 88, 207-212.	3.9	9
6	Optimization of acousto-optic interaction geometry in KRS-5 crystal for far-infrared applications. <i>Optical Engineering</i> , 2017, 56, 1.	1.0	7
7	Nonreciprocity of acousto-optic interaction in collinear tunable acousto-optic filters. <i>Applied Optics</i> , 2009, 48, C67.	2.1	6
8	Light diffraction by ultrasound described by the 2D equation of coupled modes. <i>Journal of Communications Technology and Electronics</i> , 2014, 59, 456-466.	0.5	6
9	The nonreciprocal effect under low- and high-frequency collinear acousto-optic interactions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2012, 113, 630-637.	0.6	4
10	Acousto-optic investigation of acoustic waves propagation in anisotropic medium. , 2012, , .		4
11	Application potential of paratellurite and iodic acid crystals for acousto-optics in the Terahertz range. <i>Physics of Wave Phenomena</i> , 2017, 25, 114-118.	1.1	4
12	New Acousto-Optic Regime of Interaction in Media Possessing Strong Elastic Anisotropy. <i>Acta Physica Polonica A</i> , 2015, 127, 36-42.	0.5	3
13	Acousto-optic interaction in an InI single crystal. <i>Doklady Physics</i> , 2017, 62, 407-410.	0.7	3
14	Conditions for observation of the nonreciprocal effect in a collinear acoustooptic filter at various wavelenghts of light radiation. <i>Journal of Communications Technology and Electronics</i> , 2010, 55, 1403-1410.	0.5	2
15	Conditions for obtaining backward collinear isotropic acousto-optic interaction in germanium and iodic acid crystals. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016, 80, 202-206.	0.6	1
16	Backward Collinear Acousto-Optic Interaction in KRS-5 Crystal and Its Nonreciprocal Effect. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 1406-1410.	0.6	0