

Stanislav Stoupin

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping of Lattice Strain in 4H-SiC Crystals by Synchrotron Double-Crystal X-ray Topography. Journal of Electronic Materials, 2018, 47, 903-909.	2.2	25
2	An Innovative Lithium Ion Battery System Based on a Cu ₂ S Anode Material. ACS Applied Materials & Interfaces, 2020, 12, 17396-17405.	8.0	24
3	High Bragg reflectivity of diamond crystals exposed to multi-kW ² X-ray beams. Journal of Synchrotron Radiation, 2018, 25, 1022-1029.	2.4	8
4	Selection of CVD Diamond Crystals for X-ray Monochromator Applications Using X-ray Diffraction Imaging. Crystals, 2019, 9, 396.	2.2	7
5	Evolution of lattice distortions in 4H-SiC wafers with varying doping. Scientific Reports, 2020, 10, 10845.	3.3	6
6	The multi-optics high-resolution absorption x-ray spectrometer (HiRAXS) for studies of materials under extreme conditions. Review of Scientific Instruments, 2021, 92, 053102.	1.3	6
7	X-ray reflectivity of chemically vapor-deposited diamond single crystals in the Laue geometry. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 567-577.	0.1	4
8	A new class of focusing crystal shapes for Bragg spectroscopy of small, point-like, x-ray sources in laser produced plasmas. Review of Scientific Instruments, 2021, 92, 043531.	1.3	4
9	Design and expected performance of a variable-radii sinusoidal spiral x-ray spectrometer for the National Ignition Facility. Review of Scientific Instruments, 2021, 92, 093904.	1.3	3
10	Side-bounce beamlines using single-reflection diamond monochromators at Cornell High Energy Synchrotron Source. Journal of Synchrotron Radiation, 2021, 28, 429-438.	2.4	2
11	Performance of CVD diamond single crystals as side-bounce monochromators in the Laue geometry at high photon energies. AIP Conference Proceedings, 2019, , .	0.4	1
12	Noninvasive monitoring of x-ray beam at a windowless undulator beamline using x-ray induced drain current of a focusing mirror. AIP Conference Proceedings, 2019, , .	0.4	0
13	Testing for the continuous spectrum of x rays predicted to accompany the photoejection of an atomic inner-shell electron. Physical Review A, 2021, 104, .	2.5	0
14	High-dynamic-range transmission-mode detection of synchrotron radiation using X-ray excited optical luminescence in diamond. Journal of Synchrotron Radiation, 2020, 27, 708-712.	2.4	0