

Evgeny

List of Publications by Year in descending order

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51
papers

740
citations

567281

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580821

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51
all docs

51
docs citations

51
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Conception of a single-component broadband high-resolution plane-VLS-grating monochromator. Applied Optics, 2022, 61, 5334.	1.8	2
2	Soft X-ray spectrometers based on aperiodic reflection gratings and their application. Physics-Usppekhi, 2021, 64, 495-514.	2.2	7
3	Broadband normal-incidence mirrors for a range of 111–138 Å... based on an a-periodic Mo/Be multilayer structure. Optical Materials Express, 2021, 11, 3038.	3.0	4
4	Spectral characterisation of aperiodic normal-incidence Sb/B4C multilayer mirrors for the $\lambda < 124 \text{ \AA}$... range. Quantum Electronics, 2018, 48, 189-196.	1.0	3
5	Aperiodic reflection diffraction gratings for soft X-ray radiation and their application. Quantum Electronics, 2018, 48, 916-929.	1.0	9
6	Laser Requirements for High-Order Harmonic Generation by Relativistic Plasma Singularities. Quantum Beam Science, 2018, 2, 7.	1.2	6
7	High-resolution stigmatic spectrograph for a wavelength range of 125–30 nm. Optics Express, 2018, 26, 19009.	3.4	18
8	Burst intensification by singularity emitting radiation in multi-stream flows. Scientific Reports, 2017, 7, 17968.	3.3	28
9	Flat-field VLS spectrometers for laboratory applications. , 2017, , .		1
10	Aperiodic multilayer structures in soft X-ray optics. Physics-Usppekhi, 2015, 58, 1095-1105.	2.2	25
11	Conception of broadband stigmatic high-resolution spectrometers for the soft X-ray range. Quantum Electronics, 2015, 45, 371-376.	1.0	18
12	High order harmonics from relativistic electron spikes. New Journal of Physics, 2014, 16, 093003.	2.9	26
13	Normal-incidence Sb/B4C multilayer mirrors for the 80 Å... <math>\lambda < 120 \text{ \AA}</math>... wavelength range. Quantum Electronics, 2013, 43, 666-673.	1.0	8
14	Aperiodic multilayer structures in soft X-ray radiation optics. Quantum Electronics, 2012, 42, 143-152.	1.0	25
15	Soft-X-Ray Harmonic Comb from Relativistic Electron Spikes. Physical Review Letters, 2012, 108, 135004.	7.8	66
16	Aperiodic normal-incidence antimony-based multilayer mirrors in the 8–13-nm spectral range. Quantum Electronics, 2011, 41, 75-80.	1.0	5
17	Charge exchange of multiply charged fluorine and lithium ions with Ne atoms. Quantum Electronics, 2010, 40, 545-550.	1.0	11
18	Method of Observing the Spot Where Full-Power Counter-Propagating Laser Pulses Collide in Plasma Media. Applied Physics Express, 2010, 3, 016101.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Demonstration of Flying Mirror with Improved Efficiency. , 2009, , .		6
20	Experimental studies of the high and low frequency electromagnetic radiation produced from nonlinear laser-plasma interactions. European Physical Journal D, 2009, 55, 465-474.	1.3	14
21	Measurements of reflection spectra of soft X-ray multilayer mirrors using a broadband laser-plasma radiation source. Quantum Electronics, 2009, 39, 474-480.	1.0	15
22	Enhancement of Photon Number Reflected by the Relativistic Flying Mirror. Physical Review Letters, 2009, 103, 235003.	7.8	101
23	Spectroscopic characterization of novel multilayer mirrors intended for astronomical and laboratory applications. , 2009, , .		6
24	Charge exchange of multiply charged laser plasma ions with rare-gas jet atoms. Quantum Electronics, 2007, 37, 1060-1064.	1.0	15
25	Aperiodic x-ray multilayer mirrors and their application in plasma spectroscopy. Radiation Physics and Chemistry, 2006, 75, 1819-1823.	2.8	17
26	Design, fabrication, and study of wideband multilayer X-ray mirrors. Crystallography Reports, 2006, 51, 1075-1081.	0.6	6
27	Optimisation of a laser-plasma soft X-ray source excited in a pulsed xenon jet. Quantum Electronics, 2006, 36, 549-552.	1.0	14
28	Extreme ultraviolet diagnostics of preformed plasma in laser-driven proton acceleration experiments. Review of Scientific Instruments, 2006, 77, 123302.	1.3	7
29	Design of Multilayer Mirrors for the Reflection of Sub-Femtosecond Pulses in the XUV Spectral Region. Springer Series in Chemical Physics, 2005, , 85-87.	0.2	1
30	Measurements of the xenon density in a pulsed jet from absorption of monochromatic soft X-rays. Quantum Electronics, 2004, 34, 679-684.	1.0	13
31	Interaction of laser plasmas with noble gases. Plasma Physics Reports, 2004, 30, 149-153.	0.9	5
32	Reflection of few-cycle x-ray pulses by aperiodic multilayer structures. Journal of Optics, 2002, 4, 433-439.	1.5	28
33	Broadband normal-incidence aperiodic multilayer mirrors for soft X-ray dispersive spectroscopy: theory and implementation. , 2002, 4782, 176.		14
34	Debris-free pulsed xenon-jet soft X-ray radiation source driven by Nd-laser radiation. Quantum Electronics, 2002, 32, 149-154.	1.0	24
35	Interaction of a pulsed gas target with Nd-laser radiation and laser-produced plasma. , 2002, 4781, 17.		8
36	Reflection of atto-and femtosecond X-ray pulses from aperiodic multilayer mirror. JETP Letters, 2001, 74, 149-153.	1.4	26

#	ARTICLE	IF	CITATIONS
37	Broadband x-ray optical elements based on aperiodic multilayer structures. Quantum Electronics, 2000, 30, 428-434.	1.0	26
38	Depth-graded multilayer mirrors for the hard x-ray spectral region: theory and inverse and direct problems. , 1999, , .		11
39	Broad-band stigmatic spectrograph for the soft x-ray range. Quantum Electronics, 1998, 28, 821-826.	1.0	8
40	<title>Stigmatic broadband spectroscopic instruments below 300 Å</title>. , 1997, , .		3
41	<title>Spectroscopic characterization of soft x-ray multilayer optics using a broadband laser-plasma radiation source</title>. , 1997, , .		1
42	Laser plasma source of polarized monochromatic beams in the XUV around multilayer mirrors. , 1995, , .		2
43	Stigmatic high-resolution high-throughput XUV spectroscopic instruments employing unconventional optical components. , 1995, , .		2
44	<title>Aspherical imaging multilayer mirrors with subarcsecond resolution for solar XUV telescopes</title>. , 1994, , .		2
45	<title>Stigmatic high-resolution high-throughput narrowband diffraction spectrograph employing multilayer mirrors</title>. , 1994, 2012, 219.		0
46	<title>Characterization of imaging normal-incidence multilayer mirrors for the 40- to 300-Å... range by spectroscopic techniques using a laser-plasma radiation source</title>. , 1994, 2012, 209.		5
47	Fabrication and investigation of imaging normal-incidence multilayer mirrors with a narrow-band reflection in the range $\lambda \approx 4.5$ nm. Physica Scripta, 1993, 48, 516-520.	2.5	15
48	Stigmatic high-resolution high-throughput narrow-band diffraction spectrograph employing X-ray multilayer mirrors. Physica Scripta, 1993, 47, 495-500.	2.5	9
49	Doppler-shifted emission from helium ions accelerated in solar flares. Astrophysical Journal, 1990, 351, 317.	4.5	16
50	Additions to the 2p ⁵ 3s, 3p and 3d configurations in the neon-like ion Ca XI. Physica Scripta, 1988, 37, 742-745.	2.5	14
51	Analysis of the 3s-3p and 3p-3d Transitions of S VII from Laser Plasma. Physica Scripta, 1983, 28, 496-500.	2.5	42