Henryk Fiedorowicz

List of Publications by Year
in descending order

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275	2,873	172457	265206
papers	citations	29 h-index	42 g-index

278	278	278	1270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Xâ€ray emission from laserâ€irradiated gas puff targets. Applied Physics Letters, 1993, 62, 2778-2780.	3.3	98
2	Enhanced X-ray emission in the 1-keV range from a laser-irradiated gas puff target produced using the double-nozzle setup. Applied Physics B: Lasers and Optics, 2000, 70, 305-308.	2.2	91
3	Strong extreme ultraviolet emission from a double-stream xenon/helium gas puff target irradiated with a Nd:YAG laser. Optics Communications, 2000, 184, 161-167.	2.1	86
4	â€œWater windowâ€•compact, table-top laser plasma soft X-ray sources based on a gas puff target. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1692-1700.	1.4	73
5	Compact laser plasma EUV source based on a gas puff target for metrology applications. Journal of Alloys and Compounds, 2005, 401, 99-103.	5.5	72
6	Surface modification of polymers for biocompatibility via exposure to extreme ultraviolet radiation. Journal of Biomedical Materials Research - Part A, 2014, 102, 3298-3310.	4.0	71
7	Investigation of soft X-ray emission from a gas puff target irradiated with a Nd:YAG laser. Optics Communications, 1999, 163, 103-114.	2.1	69
8	Demonstration of Soft X-Ray Lasing with Neonlike Argon and Nickel-like Xenon Ions Using a Laser-Irradiated Gas Puff Target. Physical Review Letters, 1996, 76, 415-418.	7.8	56
9	Laser-plasma EUV source dedicated for surface processing of polymers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 647, 125-131.	1.6	54
10	Characterization and optimization of the laser-produced plasma EUV source at 13.5 nm based on a double-stream Xe/He gas puff target. Applied Physics B: Lasers and Optics, 2010, 101, 773-789.	2.2	52
11	Simultaneous treatment of polymer surface by EUV radiation and ionized nitrogen. Applied Physics A: Materials Science and Processing, 2012, 109, 39-43.	2.3	52
12	Reliable stimulated Brillouin scattering compression of Nd:YAG laser pulses with liquid fluorocarbon for long-time operation at 10 Hz. Applied Optics, 1998, 37, 7085.	2.1	51
13	Ablation and surface modifications of PMMA usingÂaÂlaser-plasma EUV source. Applied Physics B: Lasers and Optics, 2009, 96, 727-730.	2.2	48
14	Desktop water window microscope using a double-stream gas puff target source. Applied Physics B: Lasers and Optics, 2015, 118, 573-578.	2.2	48
15	Sub-70 nm resolution tabletop microscopy at 138 nm using a compact laserâ€“plasma EUV source. Optics Letters, 2010, 35, 2337.	3.3	46
16	A 50nm spatial resolution EUV imagingâ€“resolution dependence on object thickness and illumination bandwidth. Optics Express, 2011, 19, 9541.	3.4	45
17	Formation of an elongated plasma column by a magnetic confinement of a laser-produced plasma. Laser and Particle Beams, 1992, 10, 767-776.	1.0	36
18	A Compact â€œWater Windowâ€•Microscope with 60 nm Spatial Resolution for Applications in Biology and Nanotechnology. Microscopy and Microanalysis, 2015, 21, 1214-1223.	0.4	36

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19	Water-window microscopy using a compact, laser-plasma SXR source based on a double-stream gas-puff target. Applied Physics B: Lasers and Optics, 2013, 111, 239-247.	2.2	35
20	Generation of bright low-divergence high-order harmonics in a long gas jet. Applied Physics Letters, 2002, 81, 3726-3728.	3.3	34
21	EUV micropatterning for biocompatibility control of PET. Applied Physics A: Materials Science and Processing, 2010, 100, 511-516.	2.3	34
22	Strong temperature effect on X-ray photo-etching of polytetrafluoroethylene using a 10ÂHz laser-plasma radiation source based on a gas puff target. Applied Physics B: Lasers and Optics, 2006, 82, 529-532.	2.2	33
23	A compact, quasi-monochromatic laser-plasma EUV source based on a double-stream gas-puff target at 13.8 nm wavelength. Applied Physics B: Lasers and Optics, 2010, 100, 461-469.	2.2	33
24	Photo-ionized neon plasmas induced by radiation pulses of a laser-plasma EUV source and a free electron laser FLASH. Laser and Particle Beams, 2013, 31, 195-201.	1.0	33
25	Spectral investigations of photoionized plasmas induced in atomic and molecular gases using nanosecond extreme ultraviolet (EUV) pulses. Physics of Plasmas, 2014, 21, 073303.	1.9	32
26	Extreme ultraviolet (EUV) surface modification of polytetrafluoroethylene (PTFE) for control of biocompatibility. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 98-107.	1.4	32
27	High-brightness laser plasma soft X-ray source using a double-stream gas puff target irradiated with the Prague Asterix Laser System (PALS). Journal of Alloys and Compounds, 2004, 362, 67-70.	5.5	31
28	Compact system for near edge X-ray fine structure (NEXAFS) spectroscopy using a laser-plasma light source. Optics Express, 2018, 26, 8260.	3.4	31
29	Optimization of xâ€ray sources for proximity lithography produced by a high average power Nd:glass laser. Journal of Applied Physics, 1996, 79, 8258-8268.	2.5	29
30	X-ray emission in the 'water window' from a nitrogen gas puff target irradiated with a nanosecond Nd:glass laser pulse. Applied Physics B: Lasers and Optics, 1998, 67, 391-393.	2.2	29
31	Ablation of various materials with intense XUV radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 577-581.	1.6	27
32	Optical and X-ray Emission Spectroscopy of High-Power Laser-Induced Dielectric Breakdown in Molecular Gases and Their Mixtures. Journal of Physical Chemistry A, 2006, 110, 12113-12120.	2.5	27
33	Physical and chemical modifications of PET surface usingÂaÂlaser-plasma EUV source. Applied Physics A: Materials Science and Processing, 2010, 99, 831-836.	2.3	27
34	Sub 1-Î¼m resolution â€œwater-windowâ€•microscopy using a compact, laser-plasma SXR source based on a double stream gas-puff target. Nuclear Instruments & Methods in Physics Research B, 2013, 311, 42-46.	1.4	27
35	Micromachining of organic polymers by X-ray photo-etching using a 10Hz laser-plasma radiation source. Microelectronic Engineering, 2005, 78-79, 452-456.	2.4	25
36	Optical coherence tomography (OCT) with 2â€‰nm axial resolution using a compact laser plasma soft X-ray source. Scientific Reports, 2018, 8, 8494.	3.3	24

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37	Photoionized plasmas induced in neon with extreme ultraviolet and soft X-ray pulses produced using low and high energy laser systems. Physics of Plasmas, 2015, 22, 043302.	1.9	23
38	The dielectronic satellites to the 2s-3pNe-like krypton resonance lines. Physica Scripta, 1994, 50, 106-109.	2.5	21
39	Pulsed X-ray radiography of a gas jet target for laserâ€“matter interaction experiments with the use of a CCD detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 551, 139-144.	1.6	20
40	Characterization of multi-jet gas puff targets for high-order harmonic generation using EUV shadowgraphy. Nuclear Instruments & Methods in Physics Research B, 2012, 285, 102-106.	1.4	20
41	Development of a compact laser-produced plasma soft X-ray source for radiobiology experiments. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 27-32.	1.4	20
42	Self-photopumped neonlike x-ray laser. Optics Letters, 1996, 21, 408.	3.3	19
43	High-resolution measurement, line identification, and spectral modeling of the KÎ' spectrum of heliumlike argon emitted by a laser-produced plasma using a gas-puff target. Physical Review E, 1997, 55, 3773-3776.	2.1	19
44	The x-ray emission spectra of multicharged xenon ions in a gas puff laser-produced plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 113-122.	1.5	19
45	Generation of soft X-rays and extreme ultraviolet (EUV) using a laser-irradiated gas puff target. Laser and Particle Beams, 2005, 23, .	1.0	19
46	Demonstration of a neonlike argon soft-x-ray laser with a picosecond-laser-irradiated gas puff target. Optics Letters, 2001, 26, 1403.	3.3	18
47	Luminescence of He and Ne gases induced by EUV pulses from a laser plasma source. Radiation Physics and Chemistry, 2013, 93, 9-13.	2.8	18
48	Time and space-resolved measurement of a gas-puff laser-plasma x-ray source. Physics of Plasmas, 2003, 10, 227-233.	1.9	17
49	EUV-induced physico-chemical changes in near-surface layers of polymers. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 270-275.	1.7	17
50	Polycarbonate Polymer Surface Modification by Extreme Ultraviolet (EUV) Radiation. Acta Physica Polonica A, 2014, 125, 924-928.	0.5	17
51	Extreme Ultraviolet Surface Modification of Polyethylene Terephthalate (PET) for Surface Structuring and Wettability Control. Acta Physica Polonica A, 2016, 129, 241-243.	0.5	17
52	Generation of nanosecond soft X-ray pulses as a result of interaction of the Nd: glass laser radiation with gas puff targets. Laser and Particle Beams, 1994, 12, 471-483.	1.0	16
53	Micromachining of organic polymers by direct photo-etching using a laser plasma X-ray source. Microelectronic Engineering, 2004, 73-74, 336-339.	2.4	16
54	PMMA and FEP surface modifications induced with EUV pulses in two selected wavelength ranges. Applied Physics A: Materials Science and Processing, 2010, 98, 61-65.	2.3	16

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55	Influence of an external strong magnetic field on hydrodynamic parameters and radiation emission of laser produced plasma. Physica Scripta, 1994, 50, 72-81.	2.5	15
56	Spectroscopic signature of strong dielectronic recombination in highly ionized xenon produced by irradiating a gas puff with laser. Physical Review A, 1999, 59, 188-194.	2.5	15
57	Extreme ultraviolet-induced photoionized plasmas. Physica Scripta, 2014, T161, 014061.	2.5	15
58	Surface Modification of PLLA, PTFE and PVDF with Extreme Ultraviolet (EUV) to Enhance Cell Adhesion. International Journal of Molecular Sciences, 2020, 21, 9679.	4.1	15
59	Interaction of laser radiation with a dense gas target. Quantum Electronics, 1997, 27, 68-71.	1.0	14
60	<title>Soft x-ray emission from a double-stream gas puff target irradiated by a nanosecond laser pulse</title>. , 2001, , .		14
61	A High-Power Laser-Driven Source of Sub-nanosecond Soft X-Ray Pulses for Single-Shot Radiobiology Experiments. Radiation Research, 2007, 168, 382-387.	1.5	14
62	Soft X-ray characterization of an elongated gas-puff target dedicated for laserâ€“matter interaction experiments and high harmonic generation. Nuclear Instruments & Methods in Physics Research B, 2012, 276, 38-43.	1.4	14
63	Efficient micromachining of poly(vinylidene fluoride) using a laser-plasma EUV source. Applied Physics A: Materials Science and Processing, 2012, 106, 551-555.	2.3	14
64	Detection of significant differences between absorption spectra of neutral helium and low temperature photoionized helium plasmas. Physics of Plasmas, 2013, 20, .	1.9	14
65	Extreme ultraviolet tomography of multi-jet gas puff target for high-order harmonic generation. Applied Physics B: Lasers and Optics, 2014, 117, 253-263.	2.2	14
66	Extreme ultraviolet tomography using a compact laserâ€“plasma source for 3D reconstruction of low density objects. Optics Letters, 2014, 39, 532.	3.3	14
67	Calibration of SiC Detectors for Nitrogen and Neon Plasma Emission Using Gas-Puff Target Sources. IEEE Transactions on Electron Devices, 2017, 64, 1120-1126.	3.0	14
68	Development and characterization of a laser-plasma soft X-ray source for contact microscopy. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 35-43.	1.4	14
69	Bioimaging Using Full Field and Contact EUV and SXR Microscopes with Nanometer Spatial Resolution. Applied Sciences (Switzerland), 2017, 7, 548.	2.5	14
70	Effect of Extreme Ultraviolet (EUV) Radiation and EUV Induced, N2 and O2 Based Plasmas on a PEEK Surfaceâ€™s Physico-Chemical Properties and MG63 Cell Adhesion. International Journal of Molecular Sciences, 2021, 22, 8455.	4.1	14
71	EUV emission from solids illuminated with a laser-plasma EUV source. Applied Physics B: Lasers and Optics, 2008, 93, 737-741.	2.2	13
72	Characterization of a dual-gas multi-jet gas puff target for high-order harmonic generation using extreme ultraviolet shadowgraphy. Laser and Particle Beams, 2013, 31, 219-227.	1.0	13

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73	A standâ€alone compact EUV microscope based on gasâ€puff target source. Journal of Microscopy, 2017, 265, 251-260.	1.8	13
74	A â€œwater windowâ€•tomography based on a laser-plasma double-stream gas-puff target soft X-ray source. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	13
75	Physico-Chemical Surface Modifications of Polyetheretherketone (PEEK) Using Extreme Ultraviolet (EUV) Radiation and EUV-Induced Nitrogen Plasma. Materials, 2020, 13, 4466.	2.9	13
76	Micro- and Nanoprocessing of Polymers Using a Laser Plasma Extreme Ultraviolet Source. Acta Physica Polonica A, 2010, 117, 384-390.	0.5	13
77	Contact Microscopy using a Compact Laser Produced Plasma Soft X-Ray Source. Acta Physica Polonica A, 2016, 129, 237-240.	0.5	13
78	Dielectronic 3l4lâ€² Na-like satellites to Ne-like krypton resonance lines. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1203.	2.1	12
79	Compact laser plasma EUV source based on a gas puff target for metrology. , 2003, , .		12
80	Time resolved anisotropic emission from an aluminium laser produced plasma. Physics of Plasmas, 2017, 24, .	1.9	12
81	A desktop extreme ultraviolet microscope based on a compact laser-plasma light source. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	12
82	Insight in Hypoxia-Mimetic Agents as Potential Tools for Mesenchymal Stem Cell Priming in Regenerative Medicine. Stem Cells International, 2022, 2022, 1-24.	2.5	12
83	Investigation of XUV amplification with Ni-like xenon ions using laser-produced gas puff plasmas. Optics Communications, 1998, 153, 368-374.	2.1	11
84	Kr photoionized plasma induced by intense extreme ultraviolet pulses. Physics of Plasmas, 2016, 23, 043512.	1.9	11
85	Low-temperature photoionized plasmas induced in Xe gas using an EUV source driven by nanosecond laser pulses. Laser and Particle Beams, 2017, 35, 42-47.	1.0	11
86	A table-top EUV focusing optical system with high energy density using a modified Schwarzschild objective and a laser-plasma light source. Review of Scientific Instruments, 2018, 89, 103109.	1.3	11
87	NEXAFS at nitrogen K-edge and titanium L-edge using a laser-plasma soft x-ray source based on a double-stream gas puff target. APL Photonics, 2019, 4, 030807.	5.7	11
88	High-order harmonic generation using a multi-jet gas puff target. Photonics Letters of Poland, 2014, 6, .	0.4	11
89	Measurements of the ground-state ionization energy and wavelengths for the (n= 4 - 10) lines of O VII. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4453-4462.	1.5	10
90	Demonstration of a transient-gain nickel-like xenon-ion x-ray laser. Optics Letters, 2002, 27, 1911.	3.3	10

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91	Laser-produced plasma EUV source based on tin-rich, thin-layerÂtargets. Applied Physics B: Lasers and Optics, 2011, 102, 559-567.	2.2	10
92	Single-Shot near Edge X-ray Fine Structure (NEXAFS) Spectroscopy Using a Laboratory Laser-Plasma Light Source. Materials, 2018, 11, 1303.	2.9	10
93	X-ray transmission grating spectrometer with CCD detector for laser plasma studies. Laser and Particle Beams, 1991, 9, 579-591.	1.0	9
94	Bright High-Order Harmonic Generation From Long Gas Jets Toward Coherent Soft X-Ray Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 1329-1338.	2.9	9
95	Imaging of nanostructures with sub-100Ânm spatial resolution using a desktop EUV microscope. Applied Physics B: Lasers and Optics, 2012, 109, 105-111.	2.2	9
96	DNA strand breaks induced by soft X-ray pulses from a compact laser plasma source. Radiation Physics and Chemistry, 2016, 120, 17-25.	2.8	9
97	Temporal measurements of extreme ultraviolet (EUV) emission, from low temperature, EUV-induced plasmas. Laser and Particle Beams, 2018, 36, 286-292.	1.0	9
98	Recombination contributions to the anisotropic emission from a laser produced copper plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 065701.	1.5	9
99	Precision measurements of the wavelengths of spectral lines of multiply charged krypton and argon ions formed in a gas target heated by laser radiation. Quantum Electronics, 1997, 27, 691-695.	1.0	8
100	Demonstration of a Transient High Gain Soft X-Ray Laser for Neon-Like Argon. Japanese Journal of Applied Physics, 2002, 41, L133-L135.	1.5	8
101	Ablation of Organic Polymers and Elemental Solids Induced by Intense XUV Radiation. AIP Conference Proceedings, 2002, , .	0.4	8
102	Plasma characterization of the gas-puff target source dedicated for soft X-ray microscopy using SiC detectors. Nukleonika, 2016, 61, 139-143.	0.8	8
103	Low-temperature plasmas induced in nitrogen by extreme ultraviolet (EUV) pulses. Laser and Particle Beams, 2018, 36, 76-83.	1.0	8
104	<title>Recent x-ray laser experiments on the COMET facility</title>. , 2001, , .		7
105	Combined effect of EUV irradiation and acetone treatment onÂPETÂsurface. Applied Physics A: Materials Science and Processing, 2011, 103, 173-178.	2.3	7
106	2-D elemental mapping of an extreme ultraviolet-irradiated PET with a compact near edge X-ray fine structure spectromicroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 145, 107-114.	2.9	7
107	Investigation of an x-ray source based on a gas puff heated by laser radiation. Quantum Electronics, 1995, 25, 19-22.	1.0	6
108	Dielectronic satellites of the HeÎ²line of the Si XIII ion in a dense laser plasma. Quantum Electronics, 1998, 28, 677-680.	1.0	6

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109	‹title›Investigation of soft x-ray emission in the water window for microscopy using a double-stream gas puff target irradiated with the Prague Asterix Laser System (PALS)‹/title›. , 2001, , .		6
110	Generation and characterization of plasma channels in gas puff targets using soft X-ray radiography technique. Physics of Plasmas, 2014, 21, 103106.	1.9	6
111	Photoionized argon plasmas induced with intense soft x-ray and extreme ultraviolet pulses. Plasma Physics and Controlled Fusion, 2016, 58, 014009.	2.1	6
112	Temporal variations of electron density and temperature in Kr/Ne/H2 photoionized plasma induced by nanosecond pulses from extreme ultraviolet source. Physics of Plasmas, 2017, 24, .	1.9	6
113	Biological Applications of Short Wavelength Microscopy Based on Compact, Laser-Produced Gas-Puff Plasma Source. Applied Sciences (Switzerland), 2020, 10, 8338.	2.5	6
114	Characterization of a plasma produced using a high power laser with a gas puff target for x-ray laser experiments. AIP Conference Proceedings, 1995, , .	0.4	5
115	‹title›Soft x-ray radiation from plasma and microcapillary waveguides‹/title›. , 1997, , .		5
116	Picosecond-laser-driven gas puff neonlike argon x-ray laser. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 203.	2.1	5
117	Detection of surface changes of materials caused by intense irradiation with laser-plasma EUV source utilizing scattered or luminescent radiation excited with the EUV pulses. Applied Physics B: Lasers and Optics, 2008, 91, 21-24.	2.2	5
118	Surface changes of solids under intense EUV irradiation using a laser-plasma source. Proceedings of SPIE, 2009, , .	0.8	5
119	Study of crystalline thin films and nanofibers by means of the laserâ€“plasma EUV-source based microscopy. Radiation Physics and Chemistry, 2013, 93, 54-58.	2.8	5
120	Resonant third harmonic generation of KrF laser in Ar gas. Review of Scientific Instruments, 2014, 85, 123105.	1.3	5
121	Biological and material science applications of EUV and SXR nanoscale imaging systems based on double stream gas puff target laser plasma sources. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 29-34.	1.4	5
122	Nanoimaging using soft X-ray and EUV laser-plasma sources. EPJ Web of Conferences, 2018, 167, 03001.	0.3	5
123	Effect of photoionized plasma and EUV induced surface modification on physico-chemical properties and cytocompatibility of PLLA. EXPRESS Polymer Letters, 2020, 14, 1063-1077.	2.1	5
124	Chemical Dosimetry in the â€œWater Windowâ€• Ferric Ions and Hydroxyl Radicals Produced by Intense Soft X Rays. Radiation Research, 2020, 193, 372.	1.5	5
125	Coherence tomography with broad bandwidth extreme ultraviolet and soft X-ray radiation. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	5
126	Monitoring of the plasma generated by a gas-puff target source. Physical Review Accelerators and Beams, 2019, 22, .	1.6	5

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127	<title>Debrisless laser-produced x-ray source with a gas puff target</title>. , 1996, 2723, 310.		4
128	XUV emission from an elongated plasma column produced using a high-power laser with a gas puff target. Laser and Particle Beams, 1996, 14, 253-260.	1.0	4
129	Low temperature photoionized Ne plasmas induced by laser-plasma EUV sources. Laser and Particle Beams, 2015, 33, 193-200.	1.0	4
130	Characterization of pulsed capillary channel gas puff target using EUV shadowgraphy. Nuclear Instruments & Methods in Physics Research B, 2015, 345, 15-21.	1.4	4
131	Extreme ultraviolet and soft X-ray imaging with compact, table top laser plasma EUV and SXR sources. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 40-48.	1.4	4
132	EUV induced low temperature SF6-based plasma. Journal of Instrumentation, 2016, 11, C03009-C03009.	1.2	4
133	Surface roughness control by extreme ultraviolet (EUV) radiation. AIP Conference Proceedings, 2017, , .	0.4	4
134	SiC detectors for evaluation of laserâ€“plasma dynamics employing gas-puff targets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 922, 250-256.	1.6	4
135	Imaging of Cell Structures Using Optimized Soft X-ray Contact Microscopy. Applied Sciences (Switzerland), 2020, 10, 6895.	2.5	4
136	Laser-produced plasma soft x-ray source based on an aerosol target. Physics of Plasmas, 2020, 27, .	1.9	4
137	1-keV emission from laser-plasma source based on an Xe/He double stream gas puff target. Optics Express, 2021, 29, 20514.	3.4	4
138	Multi-foil optic condenser for a laser plasma EUV source. Physica Scripta, 2006, T123, 131-134.	2.5	4
139	Nanometer-Scale Incoherent Imaging Using Laser-Plasma EUV Source. Acta Physica Polonica A, 2012, 121, 450-453.	0.5	4
140	Applications of a Compact "Water Window" Source for Investigations of Nanostructures Using SXR Microscope. Acta Physica Polonica A, 2016, 129, 169-171.	0.5	4
141	Time-delayed filaments of prolonged durability on laser irradiated microspheres. Optics Communications, 1983, 47, 127-130.	2.1	3
142	X-ray and RHEED Characterization of Ge Ions-Implanted Si Crystals Subjected to Pulsed-Laser Annealing. Crystal Research and Technology, 1992, 27, 959-964.	1.3	3
143	X-ray laser experiments using laser-irradiated gas puff targets at the ASTERIX IV facility. , 1995, , .		3
144	Determination of the temperature of a plasma channel formed by a nanosecond laser pulse interacting with a dense gas target. Quantum Electronics, 1997, 27, 334-335.	1.0	3

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145	<title>Formation of elongated laser sparks in gas puff targets by nanosecond laser pulses</title>. , 1997, 3156, 296.		3
146	<title>Characterization of a laser-produced x-ray source with a double-stream gas puff target for x-ray and EUV lithography</title>. , 2001, , .		3
147	<title>Characterization and optimization of a laser-produced x-ray source with a double-stream gas puff target</title>. , 2001, , .		3
148	Low-energy ion emission from a xenon gas-puff laser-plasma X-ray source. Applied Physics B: Lasers and Optics, 2001, 72, 385-387.	2.2	3
149	Fine structures of human chromosomes observed by X-ray contact microscopy coupled with atomic force microscopy. European Physical Journal Special Topics, 2003, 104, 313-316.	0.2	3
150	EUV: induced ablation and surface modifications of solids. Proceedings of SPIE, 2011, , .	0.8	3
151	Laser plasma sources of soft X-rays and extreme ultraviolet (EUV) for application in science and technology. , 2014, , .		3
152	Fresnel zone plate telescope for condenser alignment in water-window microscope. Journal of Optics (United Kingdom), 2015, 17, 055606.	2.2	3
153	Characterization and optimization of images acquired by a compact soft X-ray microscope based on a double stream gas-puff target source. Journal of Instrumentation, 2016, 11, C04003-C04003.	1.2	3
154	Low temperature plasmas induced in SF6 by extreme ultraviolet (EUV) pulses. Physics of Plasmas, 2018, 25, .	1.9	3
155	Experimental and theoretical study on emission spectra of a nitrogen photoionized plasma induced by intense EUV pulses. EPJ Web of Conferences, 2018, 167, 03006.	0.3	3
156	Silicon carbide detectors for diagnostics of laser-produced plasmas. , 2019, , .		3
157	Spectral Investigation of Laser Plasma Sources for X-Ray Coherence Tomography. Acta Physica Polonica A, 2020, 137, 48-50.	0.5	3
158	Electronic structure of multi-layered graphene oxide membrane moderately reduced in vacuum. Journal of Physics and Chemistry of Solids, 2022, 164, 110623.	4.0	3
159	Laser-driven implosion studies using the soft X-ray emission measurements. Laser and Particle Beams, 1988, 6, 321-326.	1.0	2
160	Ablation of organic polymers by direct exposure to radiation from a laser plamsa X-ray source. , 0, , .		2
161	Short-wavelength ablation of solids: pulse duration and wavelength effects. , 2004, 5534, 95.		2
162	Wide band laser-plasma soft X-ray source using a gas puff target for direct photo-etching of polymers. , 2005, 5958, 279.		2

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163	Laser plasma sources of soft x-rays and extreme ultraviolet (EUV) for technology, biomedical, and metrology applications. , 2008, , .		2
164	Applications of Laser Plasma EUV Source Based on a Gas Puff Target. AIP Conference Proceedings, 2008, , .	0.4	2
165	Nanoscale imaging using a compact laser plasma EUV source. , 2012, , .		2
166	Aspects of nanometer scale imaging with extreme ultraviolet (EUV) laboratory sources. Opto-electronics Review, 2012, 20, 1-14.	2.4	2
167	Water-window microscopy using compact, laser-plasma source based on Ar/He double stream gas-puff target. Proceedings of SPIE, 2013, , .	0.8	2
168	Laser-plasma SXR/EUV sources: adjustment of radiation parameters for specific applications. , 2014, , .		2
169	Study of uniformity of elongated plasma channels formed in gas puff targets using extreme ultraviolet and soft X-ray radiation. Laser and Particle Beams, 2015, 33, 293-298.	1.0	2
170	Soft X-ray microscope with nanometer spatial resolution and its applications. Proceedings of SPIE, 2016, , .	0.8	2
171	Spatial coherence measurements of the EUV emission from laser-plasma source based on xenon/helium gas puff target. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	2
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