

Jerzy L Kostecki

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

325
citations

1307594

7
h-index

888059

17
g-index

42
all docs

42
docs citations

42
times ranked

334
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | A 50nm spatial resolution EUV imagingâ€“resolution dependence on object thickness and illumination bandwidth. Optics Express, 2011, 19, 9541. | 3.4 | 45 |
| 4 | 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 |
| 5 | Sub 1-1/4m 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 |
| 6 | A comparison of the remineralizing potential of dental restorative materials by analyzing their fluoride release profiles. Advances in Clinical and Experimental Medicine, 2019, 28, 815-823. | 1.4 | 20 |
| 7 | Extreme ultraviolet tomography using a compact laserâ€“plasma source for 3D reconstruction of low density objects. Optics Letters, 2014, 39, 532. | 3.3 | 14 |
| 8 | Compact laser plasma EUV source based on a gas puff target for metrology. , 2003, , . | | 12 |
| 9 | Deposition and optimization of thin lead layers for superconducting accelerator photocathodes. Physica Scripta, 2014, T161, 014071. | 2.5 | 6 |
| 10 | Surface changes of solids under intense EUV irradiation using a laser-plasma source. Proceedings of SPIE, 2009, , . | 0.8 | 5 |
| 11 | Morphological and Optical Characterization of Colored Nanotubular Anodic Titanium Oxide Made in an Ethanol-Based Electrolyte. Materials, 2021, 14, 6992. | 2.9 | 5 |
| 12 | <title>Debrisless laser-produced x-ray source with a gas puff target</title>. , 1996, 2723, 310. | | 4 |
| 13 | <title>Formation of elongated laser sparks in gas puff targets by nanosecond laser pulses</title>. , 1997, 3156, 296. | | 3 |
| 14 | <title>Characterization and optimization of a laser-produced x-ray source with a double-stream gas puff target</title>. , 2001, , . | | 3 |
| 15 | Laser plasma sources of soft X-rays and extreme ultraviolet (EUV) for application in science and technology. , 2014, , . | | 3 |
| 16 | Fresnel zone plate telescope for condenser alignment in water-window microscope. Journal of Optics (United Kingdom), 2015, 17, 055606. | 2.2 | 3 |
| 17 | Wide band laser-plasma soft X-ray source using a gas puff target for direct photo-etching of polymers. , 2005, 5958, 279. | | 2 |
| 18 | Laser plasma sources of soft x-rays and extreme ultraviolet (EUV) for technology, biomedical, and metrology applications. , 2008, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Nanoscale imaging using a compact laser plasma EUV source. , 2012, , . | | 2 |
| 20 | Water-window microscopy using compact, laser-plasma source based on Ar/He double stream gas-puff target. Proceedings of SPIE, 2013, , . | 0.8 | 2 |
| 21 | Tomographic imaging using a compact soft X-ray microscope based on a laser plasma light source. , 2019, , . | | 2 |
| 22 | 2-D nanometer thickness mapping applying a reduced bias soft X-ray NEXAFS approach. Optics Express, 2020, 28, 22478. | 3.4 | 2 |
| 23 | Demonstration of Near Edge X-ray Absorption Fine Structure Spectroscopy of Transition Metals Using Xe/He Double Stream Gas Puff Target Soft X-ray Source. Materials, 2021, 14, 7337. | 2.9 | 2 |
| 24 | <title>Application of laser plasma soft x-ray and EUV sources in micro- and nanotechnology</title>. , 2006, 6598, 90. | | 1 |
| 25 | Micro- and nanoprocessing of organic polymers using a compact laser plasma EUV source equipped with EUV optical systems. Proceedings of SPIE, 2007, , . | 0.8 | 1 |
| 26 | Response of inorganic materials to laser - plasma EUV radiation focused with a lobster eye collector. , 2007, , . | | 1 |
| 27 | X-ray optics for laser-plasma sources: Applications of intense SXR and EUV radiation pulses. , 2012, , . | | 1 |
| 28 | EUV optics in photoionization experiments. , 2013, , . | | 1 |
| 29 | EUV induced ablation and surface modification of poly(vinylidene fluoride) irradiated in vacuum or gaseous environment. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 30 | Extreme ultraviolet and soft X-ray imaging using compact laser-plasma sources based on a double stream gas-puff target. Photonics Letters of Poland, 2013, 5, . | 0.4 | 1 |
| 31 | Laser systems for generation of x-ray radiation. , 2000, , . | | 0 |
| 32 | Laser plasma radiation sources based on a laser-irradiated gas puff target for x-ray and EUV lithography technologies. , 2002, , . | | 0 |
| 33 | Spectral measurement of soft x-ray and EUV emissions from a laser-irradiated gas puff target using a transmission grating spectrometer. , 2003, 5064, 91. | | 0 |
| 34 | Passively Q-switched nanosecond pulse-train Nd:YAG laser system. , 2005, , . | | 0 |
| 35 | Elongated high-density gas puff target for experiments on laser-driven x-ray lasers. , 2005, , . | | 0 |
| 36 | Micro- and nanoprocessing of organic polymers using a laser plasma XUV source. , 2006, 6346, 423. | | 0 |

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|----|---|-----|-----------|
| 37 | Recent advancements in technology of compact laser plasma EUV sources. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 38 | Nanoscale imaging and optimization of a compact "water window" SXR microscope. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 39 | A compact "water-window" microscope with 60-nm spatial resolution based on a double stream gas-puff target and Fresnel zone plate optics. , 2015, , . | | 0 |
| 40 | Laser plasma sources of soft x-rays and extreme ultraviolet (EUV) for application in science and technology. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 41 | Optoelectronic methods in potential application in monitoring of environmental conditions. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 42 | Investigation of low temperature plasmas induced using laser-produced plasma EUV sources. , 2018, , . | | 0 |