Francisco Gontad

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4027287/publications.pdf

Version: 2024-02-01

43 papers	273 citations	933447 10 h-index	1058476 14 g-index
43 all docs	43 docs citations	43 times ranked	301 citing authors

#	Article	IF	Citations
1	Highlights on photocathodes based on thin films prepared by pulsed laser deposition. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	24
2	Comparison of the properties of Pb thin films deposited on Nb substrate using thermal evaporation and pulsed laser deposition techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 451-455.	1.6	19
3	Picosecond and subpicosecond pulsed laser deposition of Pb thin films. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	13
4	Characterisation of Pb thin films prepared by the nanosecond pulsed laser deposition technique for photocathode application. Thin Solid Films, 2015, 579, 50-56.	1.8	13
5	Structure and morphology of laser-ablated Pb thin films. Thin Solid Films, 2012, 520, 3892-3895.	1.8	12
6	State-of-the-art Pb photocathodes deposited by pulsed laser deposition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 747, 1-6.	1.6	12
7	Growth and modification of thin a-Si:H/a-Ge:H bi-layers to sacrificial c-SiGe alloys through ArF-Excimer laser assisted processing. Applied Surface Science, 2008, 254, 6030-6033.	6.1	11
8	Growth of Niobium Thin Films on Si Substrates by Pulsed Nd:YAG Laser Deposition. Journal of Materials Science and Technology, 2015, 31, 784-789.	10.7	11
9	Nanomechanical and electrical properties of Nb thin films deposited on Pb substrates by pulsed laser deposition as a new concept photocathode for superconductor cavities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 804, 132-136.	1.6	11
10	Finite element simulation for ultraviolet excimer laser processing of patterned Si/SiGe/Si(100) heterostructures. Applied Physics Letters, 2010, 97, .	3.3	10
11	Study on excimer laser irradiation for controlled dehydrogenation and crystallization of boron doped hydrogenated amorphous/nanocrystalline silicon multilayers. Thin Solid Films, 2013, 536, 147-151.	1.8	10
12	Microstructural, nanomechanical, and microtribological properties of Pb thin films prepared by pulsed laser deposition and thermal evaporation techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, 021505.	2.1	10
13	New configuration of metallic photocathodes prepared by pulsed laser deposition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 724, 72-75.	1.6	8
14	Deposition of Y thin films by nanosecond UV pulsed laser ablation for photocathode application. Thin Solid Films, 2016, 603, 441-445.	1.8	8
15	Characterisation of Photocathodes Based on Pb Thin Film Deposited by UV Pulsed Laser Ablation. Journal of Materials Science and Technology, 2014, 30, 37-40.	10.7	7
16	Tight comparison of Mg and Y thin film photocathodes obtained by the pulsed laser deposition technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 836, 57-60.	1.6	7
17	Decoration of silica nanowires with gold nanoparticles through ultra-short pulsed laser deposition. Applied Surface Science, 2017, 418, 430-436.	6.1	7
18	Pulsed laser deposition of yttrium photocathode suitable for use in radio-frequency guns. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	7

#	Article	IF	Citations
19	Numerical analysis of temperature profile and thermal-stress during excimer laser induced heteroepitaxial growth of patterned amorphous silicon and germanium bi-layers deposited on Si(100). Thin Solid Films, 2010, 518, 2431-2436.	1.8	6
20	In-situ and ex-situ investigations of pulsed laser ablation of Y target. Thin Solid Films, 2011, 520, 117-120.	1.8	6
21	Detailed mass spectrometric studies during laser ablation of yttrium target in high vacuum. Thin Solid Films, 2012, 520, 5211-5214.	1.8	6
22	Numerical analysis of Excimer laser assisted processing of multi-layers for the tailored dehydrogenation of amorphous and nano-crystalline silicon films. Applied Surface Science, 2007, 254, 898-903.	6.1	5
23	Numerical simulation of the UV-excimer laser assisted modification of amorphous hydrogenated Si/Ge bilayers to graded epitaxial heterostructures. Thin Solid Films, 2008, 517, 222-226.	1.8	5
24	Growth of poly-crystalline Cu films on Y substrates by picosecond pulsed laser deposition for photocathode applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 70-74.	1.6	5
25	Structural and morphological properties of metallic thin films grown by pulsed laser deposition for photocathode application. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
26	Numerical studies of temperature profile and hydrodynamic phenomena during excimer laser assisted heteroepitaxial growth of patterned silicon and germanium bi-layers. Thin Solid Films, 2010, 518, S143-S146.	1.8	4
27	Morphology and Structure of Nb Thin Films Grown by Pulsed Laser Deposition at Different Substrate Temperatures. Journal of Materials Science and Technology, 2016, 32, 1192-1196.	10.7	4
28	Growth of lead thin films on silicon and niobium substrates by sputtering technique. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 031502.	2.1	4
29	193 nm Excimer laser processing of Si/Ge/Si(100) micropatterns. Applied Surface Science, 2016, 362, 217-220.	6.1	3
30	Labyrinthine and dendritic patterns in polyethylene oxide films grown by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
31	Overview on development of metallic and superconducting photocathodes by the PLD technique for linear accelerator sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162429.	1.6	3
32	Physical insight in the fluence-dependent distributions of Au nanoparticles produced by sub-picosecond UV pulsed laser ablation of a solid target in vacuum environment. Applied Surface Science, 2019, 480, 330-340.	6.1	3
33	Non-conventional photocathodes based on Cu thin films deposited on Y substrate by sputtering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 752, 27-32.	1.6	2
34	Fabrication of Nb/Pb structures through ultrashort pulsed laser deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	2
35	3D plasmonic transducer based on gold nanoparticles produced by laser ablation on silica nanowires. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	2
36	Droplet distribution during sub-picosecond laser deposition of gold nanoparticles. Applied Surface Science, 2017, 419, 603-613.	6.1	2

#	Article	IF	Citations
37	FEM for modelling 193 nm excimer laser treatment of SiO2/Si/Si(1-x)Gex heterostructures on SOI substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 936-939.	0.8	1
38	Evolution of morphology and structure of Pb thin films grown by pulsed laser deposition at different substrate temperatures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 020604.	2.1	1
39	Performance of the Front-End Electronics of the PADME charged particle detector system. , 2018, , .		1
40	Deposition of MgF$_{2}$ Thin Films by Pulsed Laser Ablation Technique. Japanese Journal of Applied Physics, 2011, 50, 08JD07.	1.5	0
41	(Invited) Pulsed UV-Laser Processing of Amorphous and Crystalline Group IV Semiconductors. ECS Transactions, 2011, 41, 315-330.	0.5	0
42	Nanomechanical and microtribological properties of yttrium thin films for photocathode engineering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 031507.	2.1	0
43	Manufacturing of molds by multiphoton polymerization for micro-replication of optically enhanced surfaces. , 2020, , .		0