Christos Grivas

List of Publications by Year
in descending order

66	2,199	27	47
papers	citations	h-index	g-index
		201385	214527

66	66	66	2038
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic solidâ€state integrated amplifiers and lasers. Laser and Photonics Reviews, 2012, 6, 419-462.	4.4	202
2	Optically pumped planar waveguide lasers, Part I: Fundamentals and fabrication techniques. Progress in Quantum Electronics, 2011, 35, 159-239.	3.5	185
3	Nanodroplets deposited in microarrays by femtosecond Ti:sapphire laser-induced forward transfer. Applied Physics Letters, 2006, 89, 193107.	1.5	135
4	Micro-channels machined in microstructured optical fibers by femtosecond laser. Optics Express, 2007, 15, 8731.	1.7	118
5	Single-mode tunable laser emission in the single-exciton regime from colloidal nanocrystals. Nature Communications, 2013, 4, 2376.	5.8	118
6	Engineering lattice matching, doping level, and optical properties of KY(WO4)2:Gd, Lu, Yb layers for a cladding-side-pumped channel waveguide laser. Applied Physics B: Lasers and Optics, 2013, 111, 433-446.	1.1	105
7	Optically pumped planar waveguide lasers: Part II: Gain media, laser systems, and applications. Progress in Quantum Electronics, 2016, 45-46, 3-160.	3.5	97
8	Ti:sapphire planar waveguide laser grown by pulsed laser deposition. Optics Letters, 1997, 22, 1556.	1.7	80
9	Microstructured KY(WO_4)_2:Gd^3+, Lu^3+, Yb^3+ channel waveguide laser. Optics Express, 2010, 18, 8853.	1.7	64
10	Low-threshold, highly efficient Gd3+, Lu3+co-doped KY(WO4)2:Yb3+planar waveguide lasers. Laser Physics Letters, 2009, 6, 800-805.	0.6	54
11	Tunable, continuous-wave Ti:sapphire channel waveguide lasers written by femtosecond and picosecond laser pulses. Optics Letters, 2012, 37, 4630.	1.7	54
12	Growth of Ti:sapphire single crystal thin films by pulsed laser deposition. Thin Solid Films, 1997, 300, 68-71.	0.8	53
13	Performance of a low-loss pulsed-laser-deposited Nd:Gd_3Ga_5O_12 waveguide laser at 106 and 094â€‰â€‰Âµm. Optics Letters, 1997, 22, 988.	1.7	48
14	Shadowgraphic studies of triazene assisted laser-induced forward transfer of ceramic thin films. Journal of Applied Physics, 2009, 105, 113119.	1.1	48
15	Single-transverse-mode Ti:sapphire rib waveguide laser. Optics Express, 2005, 13, 210.	1.7	43
16	Ti:sapphire rib channel waveguide fabricated by reactive ion etching of a planar waveguide. Applied Physics B: Lasers and Optics, 2002, 75, 15-17.	1.1	42
17	Performance of ar/sup +/ -milled ti:sapphire rib waveguides as single transverse-mode broadband fluorescence sources. IEEE Journal of Quantum Electronics, 2003, 39, 501-507.	1.0	42
18	Thulium channel waveguide laser in a monoclinic double tungstate with 70% slope efficiency. Optics Letters, 2012, 37, 887.	1.7	41

#	Article	IF	Citations
19	Room-temperature continuous-wave operation of Ti:sapphire buried channel-waveguide lasers fabricated via proton implantation. Optics Letters, 2006, 31, 3450.	1.7	40
20	Photosensitivity of lead germanate glass waveguides grown by pulsed laser deposition. Optics Letters, 1998, 23, 1751.	1.7	37
21	Ballistic laser-assisted solid transfer (BLAST) from a thin film precursor. Optics Express, 2008, 16, 3249.	1.7	37
22	Laser operation of a low loss (0.1 dB/cm) Nd:Gd3Ga5O12 thick (40 Î¼m) planar waveguide grown by pulsed laser deposition. Optics Communications, 2004, 229, 355-361.	1.0	36
23	Ti:Sapphire waveguide lasers. Laser Physics Letters, 2007, 4, 560-571.	0.6	36
24	Low loss (0.5 dB/cm) Nd:Gd3Ga5O12 waveguide layers grown by pulsed laser deposition. Optics Communications, 1997, 144, 183-186.	1.0	33
25	Generation of Multiâ€Gigahertz Trains of Phaseâ€Coherent Femtosecond Laser Pulses in Ti:Sapphire Waveguides. Laser and Photonics Reviews, 2018, 12, 1800167.	4.4	32
26	Chalcogenide Glass Thin Films and Planar Waveguides. Journal of the American Ceramic Society, 2005, 88, 2451-2455.	1.9	28
27	Thick film growth of high optical quality low loss (0.1dBcmâˆ'1) Nd:Gd3Ga5O12 on Y3Al5O12 by pulsed laser deposition. Applied Surface Science, 2004, 223, 361-371.	3.1	27
28	Dielectric binary oxide films as waveguide laser media: a review. Journal of Physics Condensed Matter, 2008, 20, 264011.	0.7	25
29	Synthesis of tungsten carbide thin films by reactive pulsed laser deposition. Thin Solid Films, 1997, 301, 71-76.	0.8	23
30	Planar waveguide lasers and structures created by laser ablation â€" an overview. European Physical Journal D, 1998, 48, 577-597.	0.4	23
31	Indium oxide thin-film holographic recorders grown by excimer laser reactive sputtering. Applied Physics A: Materials Science and Processing, 1998, 66, 201-204.	1.1	23
32	Steady-state lasing in a solid polymer. Laser Physics Letters, 2010, 7, 650-656.	0.6	23
33	Current state-of-the-art of pulsed laser deposition of optical waveguide structures: Existing capabilities and future trends. Applied Surface Science, 2009, 255, 5199-5205.	3.1	22
34	High optical gain in erbium-doped potassium double tungstate channel waveguide amplifiers. Optics Express, 2018, 26, 6260.	1.7	21
35	Osseointegration of loaded dental implant with KrF laser hydroxylapatite films on Ti6Al4V alloy by minipigs. Journal of Biomedical Optics, 2001, 6, 239.	1.4	20
36	Growth and characterization of pulsed laser deposited lead germanate glass optical waveguides. Optical Materials, 1999, 12, 27-33.	1.7	19

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37	On the growth and lasing characteristics of thick Nd:GGG waveguiding films fabricated by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2004, 79, 1203-1206.	1.1	19
38	Continuous-wave Nd-doped polymer lasers. Optics Letters, 2010, 35, 1983.	1.7	19
39	Waveguiding pulsed laser deposited Ti:sapphire layers on quartz. Thin Solid Films, 1998, 322, 259-262.	0.8	18
40	Structural and optical characterisation of Nd doped YAlO3 films deposited on sapphire substrate by pulsed laser deposition. Thin Solid Films, 1999, 346, 284-289.	0.8	18
41	Self-ordered sub-micron structures in Fe-doped LiNbO3 formed by light-induced frustration of etching. Applied Surface Science, 2004, 230, 138-150.	3.1	12
42	Laser ablation mechanism and plume dynamics of polyarylsulfone films studied by laser ionization time-of-flight mass spectrometry. Applied Physics A: Materials Science and Processing, 1999, 69, S159-S163.	1.1	8
43	Holographic recording mechanisms of gratings in indium oxide films using 325 nm helium-cadmium laser irradiation. Applied Physics A: Materials Science and Processing, 2002, 74, 457-465.	1.1	8
44	Deposition of Er:YAG (YAP) layers by subpicosecond and nanosecond KrF excimer laser ablation. Applied Surface Science, 2002, 197-198, 416-420.	3.1	8
45	Broadband single-transverse-mode fluorescence sources based on ribs fabricated in pulsed laser deposited Ti:sapphire waveguides. Applied Physics A: Materials Science and Processing, 2004, 79, 1195-1198.	1.1	8
46	Dental Implants Coated with Laser Deposited Hydroxyapatite Films - Physical Properties and In-vivo Study. Molecular Crystals and Liquid Crystals, 2002, 374, 599-604.	0.4	6
47	Cavity ring-down in a photonic bandgap fiber gas cell. , 2008, , .		6
48	Large photoinduced refractive index changes in pulsed-laser-deposited lead germanate glass waveguides with controllable refractive index sign change. Applied Physics A: Materials Science and Processing, 1999, 69, S671-S674.	1.1	5
49	Optical Waveguide Growth and Applications. , 2006, , 383-420.		5
50	Osseointegration of KrF laser hydroxylapatite films on Ti6A14V alloy by mini-pigs: loaded osseointegration of dental implants. , 1999, 3593, 81.		4
51	A Laser Ionization Time-of-Flight Mass Spectrometric Study of UV Laser Ablation of Polyarylsulfone Films. Japanese Journal of Applied Physics, 2000, 39, 3614-3622.	0.8	4
52	Parallel broadband fluorescent light source for optical coherence tomography. , 2005, , .		4
53	Fabrication of reflective volume gratings in pulsed-laser-deposited Ti:sapphire waveguides with UV femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2008, 93, 219-223.	1.1	3
54	<title>Morphological and optical parameters of laser-created hydroxyapatite layers</title>. , 1996, , .		2

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55	Optical properties of Er:YAG and Er:YAP materials and layers grown by laser. , 2003, , .		2
56	An optical fiber optofluidic particle aspirator. Applied Physics Letters, 2014, 105, .	1.5	2
57	<title>Planar waveguide lasers created by pulsed laser deposition</title>. , 1996, 3052, 85.		1
58	Study of Ti:sapphire layers created by PLD. , 1996, 2888, 51.		1
59	<title>Influence of deposition conditions of hydroxylapatite films formed on Ti6Al4V substrates by excimer laser ablation on biological properties</title>. , 1996, , .		1
60	<title>HA films created by PLD: results of physical and biocompatible tests</title>. , 1996, , .		1
61	<title>Properties of PLD-created hydroxyapatite layers before and after in-vitro analysis</title>. , 1996, , .		0
62	<title>Pulsed laser deposition of Mn-Zn-ferrite, La<formula><inf><roman>0.8</roman></inf></formula>Sr<formula><inf><roman>0.2</roman></inf></formula>MnO<formula><inf>< and Y<formula><inf><roman>3</roman></inf></formula>Fe<formula><inf><roman>5</roman></inf></formula>O<formula><inf><roman> thin films</title>. , 1996, , .		0
63	<title>In-vivo study of hydroxyiapatite-coated dental implants</title>. , 1997, 3192, 73.		0
64	<title>Planar waveguide structures created by PLD</title>. , 1998, 3404, 22.		0
65	Recent progress in continuous-wave Ti:sapphire waveguide lasers. Proceedings of SPIE, 2014, , .	0.8	0
66	High gain in erbium-doped channel waveguides. , 2017, , .		0