

Christos Grivas

List of Publications by Citations

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59
papers

1,803
citations

24
h-index

41
g-index

66
ext. papers

2,068
ext. citations

3.5
avg, IF

4.95
L-index

#	Paper	IF	Citations
59	Organic solid-state integrated amplifiers and lasers. <i>Laser and Photonics Reviews</i> , 2012 , 6, 419-462	8.3	167
58	Optically pumped planar waveguide lasers, Part I: Fundamentals and fabrication techniques. <i>Progress in Quantum Electronics</i> , 2011 , 35, 159-239	9.1	151
57	Nanodroplets deposited in microarrays by femtosecond Ti:sapphire laser-induced forward transfer. <i>Applied Physics Letters</i> , 2006 , 89, 193107	3.4	122
56	Single-mode tunable laser emission in the single-exciton regime from colloidal nanocrystals. <i>Nature Communications</i> , 2013 , 4, 2376	17.4	106
55	Micro-channels machined in microstructured optical fibers by femtosecond laser. <i>Optics Express</i> , 2007 , 15, 8731-6	3.3	93
54	Optically pumped planar waveguide lasers: Part II: Gain media, laser systems, and applications. <i>Progress in Quantum Electronics</i> , 2016 , 45-46, 3-160	9.1	76
53	Ti:sapphire planar waveguide laser grown by pulsed laser deposition. <i>Optics Letters</i> , 1997 , 22, 1556-8	3	62
52	Engineering lattice matching, doping level, and optical properties of KY(WO ₄) ₂ :Gd, Lu, Yb layers for a cladding-side-pumped channel waveguide laser. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 433-446	1.9	59
51	Tunable, continuous-wave Ti:sapphire channel waveguide lasers written by femtosecond and picosecond laser pulses. <i>Optics Letters</i> , 2012 , 37, 4630-2	3	46
50	Growth of Ti:sapphire single crystal thin films by pulsed laser deposition. <i>Thin Solid Films</i> , 1997 , 300, 68-71	12	46
49	Performance of a low-loss pulsed-laser-deposited Nd:Gd ₃ Ga ₅ O ₁₂ waveguide laser at 1.06 and 0.94 μm . <i>Optics Letters</i> , 1997 , 22, 988-90	3	44
48	Microstructured KY(WO ₄) ₂ :Gd ³⁺ , Lu ³⁺ , Yb ³⁺ channel waveguide laser. <i>Optics Express</i> , 2010 , 18, 8853-8	3.3	41
47	Shadowgraphic studies of triazene assisted laser-induced forward transfer of ceramic thin films. <i>Journal of Applied Physics</i> , 2009 , 105, 113119	2.5	41
46	Low-threshold, highly efficient Gd ³⁺ , Lu ³⁺ +co-doped KY(WO ₄) ₂ :Yb ³⁺ planar waveguide lasers. <i>Laser Physics Letters</i> , 2009 , 6, 800-805	1.5	40
45	Single-transverse-mode Ti:sapphire rib waveguide laser. <i>Optics Express</i> , 2005 , 13, 210-5	3.3	35
44	Room-temperature continuous-wave operation of Ti:sapphire buried channel-waveguide lasers fabricated via proton implantation. <i>Optics Letters</i> , 2006 , 31, 3450-2	3	35
43	Laser operation of a low loss (0.1 dB/cm) Nd:Gd ₃ Ga ₅ O ₁₂ thick (40 μm) planar waveguide grown by pulsed laser deposition. <i>Optics Communications</i> , 2004 , 229, 355-361	2	35

42	Photosensitivity of lead germanate glass waveguides grown by pulsed laser deposition. <i>Optics Letters</i> , 1998 , 23, 1751-3	3	35
41	Thulium channel waveguide laser in a monoclinic double tungstate with 70% slope efficiency. <i>Optics Letters</i> , 2012 , 37, 887-9	3	31
40	Low loss (0.5 dB/cm) Nd:Gd ₃ Ga ₅ O ₁₂ waveguide layers grown by pulsed laser deposition. <i>Optics Communications</i> , 1997 , 144, 183-186	2	31
39	Ballistic laser-assisted solid transfer (BLAST) from a thin film precursor. <i>Optics Express</i> , 2008 , 16, 3249-54	3.3	31
38	Performance of Ar/sup +/-milled Ti:sapphire rib waveguides as single transverse-mode broadband fluorescence sources. <i>IEEE Journal of Quantum Electronics</i> , 2003 , 39, 501-507	2	31
37	Ti:sapphire rib channel waveguide fabricated by reactive ion etching of a planar waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 75, 15-17	1.9	30
36	Ti:Sapphire waveguide lasers. <i>Laser Physics Letters</i> , 2007 , 4, 560-571	1.5	27
35	Thick film growth of high optical quality low loss (0.1 dB/cm) Nd:Gd ₃ Ga ₅ O ₁₂ on Y ₃ Al ₅ O ₁₂ by pulsed laser deposition. <i>Applied Surface Science</i> , 2004 , 223, 361-371	6.7	24
34	Dielectric binary oxide films as waveguide laser media: a review. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 264011	1.8	23
33	Chalcogenide Glass Thin Films and Planar Waveguides. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2451-2455	3.8	23
32	Generation of Multi-Gigahertz Trains of Phase-Coherent Femtosecond Laser Pulses in Ti:Sapphire Waveguides. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800167	8.3	23
31	Steady-state lasing in a solid polymer. <i>Laser Physics Letters</i> , 2010 , 7, 650-656	1.5	21
30	Synthesis of tungsten carbide thin films by reactive pulsed laser deposition. <i>Thin Solid Films</i> , 1997 , 301, 71-76	2.2	21
29	Indium oxide thin-film holographic recorders grown by excimer laser reactive sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 66, 201-204	2.6	21
28	Planar waveguide lasers and structures created by laser ablation: an overview. <i>European Physical Journal D</i> , 1998 , 48, 577-597		20
27	Growth and characterization of pulsed laser deposited lead germanate glass optical waveguides. <i>Optical Materials</i> , 1999 , 12, 27-33	3.3	19
26	Current state-of-the-art of pulsed laser deposition of optical waveguide structures: Existing capabilities and future trends. <i>Applied Surface Science</i> , 2009 , 255, 5199-5205	6.7	18
25	On the growth and lasing characteristics of thick Nd:GGG waveguiding films fabricated by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 1203-1206	2.6	17

24	Osseointegration of loaded dental implant with KrF laser hydroxylapatite films on Ti6Al4V alloy by minipigs. <i>Journal of Biomedical Optics</i> , 2001 , 6, 239-43	3.5	17
23	Structural and optical characterisation of Nd doped YAlO ₃ films deposited on sapphire substrate by pulsed laser deposition. <i>Thin Solid Films</i> , 1999 , 346, 284-289	2.2	17
22	High optical gain in erbium-doped potassium double tungstate channel waveguide amplifiers. <i>Optics Express</i> , 2018 , 26, 6260-6266	3.3	16
21	Continuous-wave Nd-doped polymer lasers. <i>Optics Letters</i> , 2010 , 35, 1983-5	3	15
20	Waveguiding pulsed laser deposited Ti:sapphire layers on quartz. <i>Thin Solid Films</i> , 1998 , 322, 259-262	2.2	14
19	Self-ordered sub-micron structures in Fe-doped LiNbO ₃ formed by light-induced frustration of etching. <i>Applied Surface Science</i> , 2004 , 230, 138-150	6.7	11
18	Holographic recording mechanisms of gratings in indium oxide films using 325 nm heliumcadmium laser irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 457-465	2.6	8
17	Laser ablation mechanism and plume dynamics of polyarylsulfone films studied by laser ionization time-of-flight mass spectrometry. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S159-S163	2.6	8
16	Deposition of Er:YAG (YAP) layers by subpicosecond and nanosecond KrF excimer laser ablation. <i>Applied Surface Science</i> , 2002 , 197-198, 416-420	6.7	7
15	Broadband single-transverse-mode fluorescence sources based on ribs fabricated in pulsed laser deposited Ti:sapphire waveguides. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 1195-1198	2.6	6
14	Dental Implants Coated with Laser Deposited Hydroxyapatite Films - Physical Properties and In-vivo Study. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 374, 599-604	0.5	6
13	Large photoinduced refractive index changes in pulsed-laser-deposited lead germanate glass waveguides with controllable refractive index sign change. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S671-S674	2.6	5
12	Parallel broadband fluorescent light source for optical coherence tomography 2005 ,		4
11	Cavity ring-down in a photonic bandgap fiber gas cell 2008 ,		4
10	Optical Waveguide Growth and Applications 2006 , 383-420		3
9	A Laser Ionization Time-of-Flight Mass Spectrometric Study of UV Laser Ablation of Polyarylsulfone Films. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3614-3622	1.4	3
8	Osseointegration of KrF laser hydroxylapatite films on Ti6A14V alloy by mini-pigs: loaded osseointegration of dental implants 1999 , 3593, 81		3
7	An optical fiber optofluidic particle aspirator. <i>Applied Physics Letters</i> , 2014 , 105, 101103	3.4	2

6	Fabrication of reflective volume gratings in pulsed-laser-deposited Ti:sapphire waveguides with UV femtosecond laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 93, 219-223	2.6	2
5	Optical properties of Er:YAG and Er:YAP materials and layers grown by laser 2003 ,		2
4	Morphological and optical parameters of laser-created hydroxyapatite layers 1996 ,		2
3	Planar waveguide lasers created by pulsed laser deposition 1996 , 3052, 85		1
2	Study of Ti:sapphire layers created by PLD 1996 , 2888, 51		1
1	Influence of deposition conditions of hydroxylapatite films formed on Ti6Al4V substrates by excimer laser ablation on biological properties 1996 ,		1