

# Christos Grivas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	High optical gain in erbium-doped potassium double tungstate channel waveguide amplifiers. <i>Optics Express</i> , <b>2018</b> , 26, 6260-6266	3.3	16
58	Generation of Multi-Gigahertz Trains of Phase-Coherent Femtosecond Laser Pulses in Ti:Sapphire Waveguides. <i>Laser and Photonics Reviews</i> , <b>2018</b> , 12, 1800167	8.3	23
57	Optically pumped planar waveguide lasers: Part II: Gain media, laser systems, and applications. <i>Progress in Quantum Electronics</i> , <b>2016</b> , 45-46, 3-160	9.1	76
56	An optical fiber optofluidic particle aspirator. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 101103	3.4	2
55	Single-mode tunable laser emission in the single-exciton regime from colloidal nanocrystals. <i>Nature Communications</i> , <b>2013</b> , 4, 2376	17.4	106
54	Engineering lattice matching, doping level, and optical properties of KY(WO <sub>4</sub> ) <sub>2</sub> :Gd, Lu, Yb layers for a cladding-side-pumped channel waveguide laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 111, 433-446	1.9	59
53	Organic solid-state integrated amplifiers and lasers. <i>Laser and Photonics Reviews</i> , <b>2012</b> , 6, 419-462	8.3	167
52	Tunable, continuous-wave Ti:sapphire channel waveguide lasers written by femtosecond and picosecond laser pulses. <i>Optics Letters</i> , <b>2012</b> , 37, 4630-2	3	46
51	Thulium channel waveguide laser in a monoclinic double tungstate with 70% slope efficiency. <i>Optics Letters</i> , <b>2012</b> , 37, 887-9	3	31
50	Optically pumped planar waveguide lasers, Part I: Fundamentals and fabrication techniques. <i>Progress in Quantum Electronics</i> , <b>2011</b> , 35, 159-239	9.1	151
49	Microstructured KY(WO <sub>4</sub> ) <sub>2</sub> :Gd(3+), Lu(3+), Yb(3+) channel waveguide laser. <i>Optics Express</i> , <b>2010</b> , 18, 8853-8	3.3	41
48	Continuous-wave Nd-doped polymer lasers. <i>Optics Letters</i> , <b>2010</b> , 35, 1983-5	3	15
47	Steady-state lasing in a solid polymer. <i>Laser Physics Letters</i> , <b>2010</b> , 7, 650-656	1.5	21
46	Shadowgraphic studies of triazene assisted laser-induced forward transfer of ceramic thin films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 113119	2.5	41
45	Low-threshold, highly efficient Gd <sup>3+</sup> , Lu <sup>3+</sup> -co-doped KY(WO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> -planar waveguide lasers. <i>Laser Physics Letters</i> , <b>2009</b> , 6, 800-805	1.5	40
44	Current state-of-the-art of pulsed laser deposition of optical waveguide structures: Existing capabilities and future trends. <i>Applied Surface Science</i> , <b>2009</b> , 255, 5199-5205	6.7	18
43	Ballistic laser-assisted solid transfer (BLAST) from a thin film precursor. <i>Optics Express</i> , <b>2008</b> , 16, 3249-54	3.3	31

42	Dielectric binary oxide films as waveguide laser media: a review. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 264011	1.8	23
41	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> , <b>2008</b> , 93, 219-223	2.6	2
40	Cavity ring-down in a photonic bandgap fiber gas cell <b>2008</b> ,		4
39	Ti:Sapphire waveguide lasers. <i>Laser Physics Letters</i> , <b>2007</b> , 4, 560-571	1.5	27
38	Micro-channels machined in microstructured optical fibers by femtosecond laser. <i>Optics Express</i> , <b>2007</b> , 15, 8731-6	3.3	93
37	Nanodroplets deposited in microarrays by femtosecond Ti:sapphire laser-induced forward transfer. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 193107	3.4	122
36	Optical Waveguide Growth and Applications <b>2006</b> , 383-420		3
35	Room-temperature continuous-wave operation of Ti:sapphire buried channel-waveguide lasers fabricated via proton implantation. <i>Optics Letters</i> , <b>2006</b> , 31, 3450-2	3	35
34	Single-transverse-mode Ti:sapphire rib waveguide laser. <i>Optics Express</i> , <b>2005</b> , 13, 210-5	3.3	35
33	Parallel broadband fluorescent light source for optical coherence tomography <b>2005</b> ,		4
32	Chalcogenide Glass Thin Films and Planar Waveguides. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2451-2455	3.8	23
31	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> , <b>2004</b> , 79, 1195-1198	3.6	6
30	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> , <b>2004</b> , 79, 1203-1206	2.6	17
29	Laser operation of a low loss (0.1 dB/cm) Nd:Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> thick (40 μm) planar waveguide grown by pulsed laser deposition. <i>Optics Communications</i> , <b>2004</b> , 229, 355-361	2	35
28	Thick film growth of high optical quality low loss (0.1 dB/cm) Nd:Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> on Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> by pulsed laser deposition. <i>Applied Surface Science</i> , <b>2004</b> , 223, 361-371	6.7	24
27	Self-ordered sub-micron structures in Fe-doped LiNbO <sub>3</sub> formed by light-induced frustration of etching. <i>Applied Surface Science</i> , <b>2004</b> , 230, 138-150	6.7	11
26	Optical properties of Er:YAG and Er:YAP materials and layers grown by laser <b>2003</b> ,		2
25	Performance of Ar/sup +/-milled Ti:sapphire rib waveguides as single transverse-mode broadband fluorescence sources. <i>IEEE Journal of Quantum Electronics</i> , <b>2003</b> , 39, 501-507	2	31

24	Holographic recording mechanisms of gratings in indium oxide films using 325 nm heliumcadmium laser irradiation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, 457-465	2.6	8
23	Ti:sapphire rib channel waveguide fabricated by reactive ion etching of a planar waveguide. <i>Applied Physics B: Lasers and Optics</i> , <b>2002</b> , 75, 15-17	1.9	30
22	Deposition of Er:YAG (YAP) layers by subpicosecond and nanosecond KrF excimer laser ablation. <i>Applied Surface Science</i> , <b>2002</b> , 197-198, 416-420	6.7	7
21	Dental Implants Coated with Laser Deposited Hydroxyapatite Films - Physical Properties and In-vivo Study. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 374, 599-604	0.5	6
20	Osseointegration of loaded dental implant with KrF laser hydroxylapatite films on Ti6Al4V alloy by minipigs. <i>Journal of Biomedical Optics</i> , <b>2001</b> , 6, 239-43	3.5	17
19	A Laser Ionization Time-of-Flight Mass Spectrometric Study of UV Laser Ablation of Polyarylsulfone Films. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, 3614-3622	1.4	3
18	Osseointegration of KrF laser hydroxylapatite films on Ti6A14V alloy by mini-pigs: loaded osseointegration of dental implants <b>1999</b> , 3593, 81		3
17	Structural and optical characterisation of Nd doped YAlO <sub>3</sub> films deposited on sapphire substrate by pulsed laser deposition. <i>Thin Solid Films</i> , <b>1999</b> , 346, 284-289	2.2	17
16	Growth and characterization of pulsed laser deposited lead germanate glass optical waveguides. <i>Optical Materials</i> , <b>1999</b> , 12, 27-33	3.3	19
15	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> , <b>1999</b> , 69, S671-S674	2.6	5
14	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> , <b>1999</b> , 69, S159-S163	2.6	8
13	Planar waveguide lasers and structures created by laser ablation - an overview. <i>European Physical Journal D</i> , <b>1998</b> , 48, 577-597		20
12	Indium oxide thin-film holographic recorders grown by excimer laser reactive sputtering. <i>Applied Physics A: Materials Science and Processing</i> , <b>1998</b> , 66, 201-204	2.6	21
11	Waveguiding pulsed laser deposited Ti:sapphire layers on quartz. <i>Thin Solid Films</i> , <b>1998</b> , 322, 259-262	2.2	14
10	Photosensitivity of lead germanate glass waveguides grown by pulsed laser deposition. <i>Optics Letters</i> , <b>1998</b> , 23, 1751-3	3	35
9	Performance of a low-loss pulsed-laser-deposited Nd:Gd(3) Ga(5)O(12) waveguide laser at 1.06 and 0.94 $\mu\text{m}$ . <i>Optics Letters</i> , <b>1997</b> , 22, 988-90	3	44
8	Ti:sapphire planar waveguide laser grown by pulsed laser deposition. <i>Optics Letters</i> , <b>1997</b> , 22, 1556-8	3	62
7	Low loss (0.5 dB/cm) Nd:Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> waveguide layers grown by pulsed laser deposition. <i>Optics Communications</i> , <b>1997</b> , 144, 183-186	2	31

6	Growth of Ti:sapphire single crystal thin films by pulsed laser deposition. <i>Thin Solid Films</i> , <b>1997</b> , 300, 68-71	2	46
5	Synthesis of tungsten carbide thin films by reactive pulsed laser deposition. <i>Thin Solid Films</i> , <b>1997</b> , 301, 71-76	2.2	21
4	Planar waveguide lasers created by pulsed laser deposition <b>1996</b> , 3052, 85		1
3	Study of Ti:sapphire layers created by PLD <b>1996</b> , 2888, 51		1
2	Morphological and optical parameters of laser-created hydroxyapatite layers <b>1996</b> ,		2
1	Influence of deposition conditions of hydroxylapatite films formed on Ti6Al4V substrates by excimer laser ablation on biological properties <b>1996</b> ,		1