

Vasileios Apostolopoulos

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.

67

papers

840

citations

16

h-index

27

g-index

93

ext. papers

1,052

ext. citations

3.6

avg, IF

3.76

L-index

#	Paper	IF	Citations
67	Artificial neural networks for material parameter extraction in terahertz time-domain spectroscopy.. <i>Optics Express</i> , 2022 , 30, 15583-15595	3.3	1
66	Extruded TOPAS hollow-core anti-resonant fiber optimized for THz guidance at 0.9THz.. <i>Optics Express</i> , 2022 , 30, 13059-13069	3.3	1
65	Anomalous resonance frequency shift in liquid crystal-loaded THz metamaterials. <i>Nanophotonics</i> , 2022 , 11, 2341-2348	6.3	
64	Mechanically Tunable Terahertz Metamaterial Perfect Absorber. <i>Advanced Photonics Research</i> , 2021 , 2, 2100136	1.9	1
63	THz-TDS parameter extraction: empirical correction terms for the analytical transfer function solution. <i>Applied Optics</i> , 2021 , 60, 4013-4020	1.7	0
62	Hollow-core antiresonant terahertz fiber-based TOPAS extruded from a 3D printer using a metal 3D printed nozzle. <i>Photonics Research</i> , 2021 , 9, 1513	6	4
61	High power 739 nm VECSELs for future Yb ion cooling. <i>Applied Optics</i> , 2021 , 60, 676-680	1.7	0
60	Zinc-indiffused MgO:PPLN waveguides for blue/UV generation via VECSEL pumping. <i>Applied Optics</i> , 2020 , 59, 4921-4926	1.7	1
59	High-precision THz-TDS via self-referenced transmission echo method. <i>Applied Optics</i> , 2020 , 59, 6744-6750	1.7	4
58	Supercontinuum generation in tantalum pentoxide waveguides for pump wavelengths in the 900 nm to 1500 nm spectral region. <i>Optics Express</i> , 2020 , 28, 32173-32184	3.3	6
57	Singlemoded THz guidance in bendable TOPAS suspended-core fiber directly drawn from a 3D printer. <i>Scientific Reports</i> , 2020 , 10, 11045	4.9	7
56	Optically Reconfigurable Graphene/Metal Metasurface on Fe:LiNbO3 for Adaptive THz Optics. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9494-9501	5.6	2
55	Semiconductor disk laser in bi-frequency operation by laser ablation micromachining of a laser mirror. <i>Optics Express</i> , 2019 , 27, 22316-22326	3.3	3
54	Study of dielectric coatings for broadband operation of surface-emitting semiconductor lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 752	1.7	1
53	Optically controlled bistable waveplates. <i>Journal of Molecular Liquids</i> , 2018 , 267, 484-489	6	5
52	3D-printed polymer antiresonant waveguides for short-reach terahertz applications. <i>Applied Optics</i> , 2018 , 57, 3953-3958	1.7	46
51	Intrinsic and photo-induced properties of high refractive index azobenzene based thin films [Invited]. <i>Optical Materials Express</i> , 2018 , 8, 420	2.6	10

50	Temperature dependent polarity inversion in double-metal terahertz emitters. <i>Electronics Letters</i> , 2018 , 54, 991-993	1.1	
49	Simulation of THz generation and propagation from photo-Dember emitters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 1552	1.7	0
48	Tantalum pentoxide waveguides and microresonators for VECSEL based frequency combs 2018 ,		1
47	Terahertz Focusing and Polarization Control in Large-Area Bias-Free Semiconductor Emitters. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018 , 39, 223-235	2.2	2
46	Continuous repetition rate tuning from 960 MHz to 1.72 GHz of a sub-300 femtosecond mode-locked semiconductor disk laser. <i>Applied Physics Letters</i> , 2018 , 113, 161106	3.4	1
45	Optical Gating of Graphene on Photoconductive Fe:LiNbO. <i>ACS Nano</i> , 2018 , 12, 5940-5945	16.7	19
44	Mode-locked VECSEL SESAM with intracavity antenna for terahertz emission 2017 ,		3
43	Terahertz properties of liquid crystals doped with ferroelectric BaTiO ₃ nanoparticles. <i>Liquid Crystals</i> , 2017 , 44, 1207-1215	2.3	6
42	Waveguide lasers in ytterbium-doped tantalum pentoxide on silicon. <i>Optics Letters</i> , 2015 , 40, 2549-52	3	11
41	Refractive indices and birefringence of hybrid liquid crystal - nanoparticles composite materials in the terahertz region. <i>AIP Advances</i> , 2015 , 5, 077143	1.5	16
40	Spectroscopy of high index contrast Yb:Ta ₂ O ₅ waveguides for lasing applications. <i>Journal of Physics: Conference Series</i> , 2015 , 619, 012031	0.3	
39	Electrically charged dispersions of ferroelectric nanoparticles. <i>Applied Physics Letters</i> , 2015 , 106, 043111	3.4	12
38	THz emitters based on the photo-Dember effect. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 374002	3	56
37	Simulation of Terahertz Generation from Lateral Diffusion Currents in Semiconductor Devices. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2014 , 35, 1030-1044	2.2	4
36	Characterisation of THz emission from double-metal-patterned gallium arsenide multiple emitters. <i>Electronics Letters</i> , 2014 , 50, 1966-1968	1.1	2
35	A metamolecule antenna for coplanar waveguides. <i>Optics Express</i> , 2014 , 22, 30473-81	3.3	2
34	Fluence and polarisation dependence of GaAs based Lateral Photo-Dember terahertz emitters. <i>Optics Express</i> , 2014 , 22, 3234-43	3.3	14
33	Spectroscopy of ytterbium-doped tantalum pentoxide rib waveguides on silicon. <i>Optical Materials Express</i> , 2014 , 4, 1505	2.6	5

32	Multiple double-metal bias-free terahertz emitters. <i>Applied Physics Letters</i> , 2014 , 104, 201108	3-4	9
31	Investigation of the role of the lateral photo-Dember effect in the generation of terahertz radiation using a metallic mask on a semiconductor. <i>Optics Express</i> , 2013 , 21, 16263-72	3-3	25
30	Multiple lateral photo-Dember terahertz emitters illuminated by a cylindrical micro-lens array. <i>Applied Physics Letters</i> , 2013 , 103, 252101	3-4	6
29	Wetting-Layer-Pumped Continuous-Wave Surface-Emitting Quantum-Dot Laser. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 37-39	2.2	3
28	Complex Refractive Index Determination Using Planar and Converging Beam Transfer Functions. <i>Springer Series in Optical Sciences</i> , 2012 , 81-94	0.5	1
27	175 GHz, 400-fs-pulse harmonically mode-locked surface emitting semiconductor laser. <i>Optics Express</i> , 2012 , 20, 7040-5	3-3	25
26	Terahertz emission by diffusion of carriers and metal-mask dipole inhibition of radiation. <i>Optics Express</i> , 2012 , 20, 8898-906	3-3	16
25	Waveguide mode filters fabricated using laser-induced forward transfer. <i>Optics Express</i> , 2011 , 19, 9814-9,3	3-3	9
24	Numerical simulation of optical Stark effect saturable absorbers in mode-locked femtosecond VECSELs using a modified two-level atom model. <i>Optics Express</i> , 2011 , 19, 26783-95	3-3	3
23	Numerical modelling of optical Stark effect saturable absorbers in mode-locked femtosecond VECSELs 2011 ,		1
22	169 GHz repetition rate passively harmonically mode-locked VECSEL emitting 265 fs pulses 2011 ,		2
21	High peak power femtosecond pulse VECSELs for terahertz time domain spectroscopy 2011 ,		2
20	Passively harmonically mode-locked vertical-external-cavity surface-emitting laser emitting 1.1 ps pulses at 147 GHz repetition rate. <i>Applied Physics Letters</i> , 2010 , 97, 251101	3-4	15
19	Gain bandwidth characterization of surface-emitting quantum well laser gain structures for femtosecond operation. <i>Optics Express</i> , 2010 , 18, 21330-41	3-3	19
18	A passively mode-locked external-cavity semiconductor laser emitting 60-fs pulses. <i>Nature Photonics</i> , 2009 , 3, 729-731	33-9	132
17	Frequency Manipulation of THz Bound-to-Continuum Quantum-Cascade Lasers. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 303-305	2.2	10
16	All-semiconductor room-temperature terahertz time domain spectrometer. <i>Optics Letters</i> , 2008 , 33, 2125-7	3	24
15	Surface-emitting photonic crystal terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2008 , 93, 171112	3-4	12

14	Buried channel waveguides in Yb-doped KY(WO ₄) ₂ crystals fabricated by femtosecond laser irradiation. <i>Applied Surface Science</i> , 2007 , 253, 8300-8303	6.7	23
13	Diffusion of gallium in sapphire. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 2695-2698	6	5
12	Comparison of fabrication methods of sub-100nm nano-optical structures and devices 2005 ,		12
11	Low-temperature liquid-phase epitaxy and optical waveguiding of rare-earth-ion-doped KY(WO ₄) ₂ thin layers. <i>Journal of Crystal Growth</i> , 2004 , 269, 377-384	1.6	23
10	UV-written channel waveguides in Er ³⁺ -doped Bi ₂ O ₃ -based glass. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 295-298		1
9	Fabrication and characterization of UV-written channel waveguides in Bi ₂ O ₃ -based glass. <i>Optical Materials</i> , 2004 , 27, 7-13	3.3	8
8	Femtosecond-irradiation-induced refractive-index changes and channel waveguiding in bulk Ti ³⁺ :Sapphire. <i>Applied Physics Letters</i> , 2004 , 85, 1122-1124	3.4	88
7	Diffused Ti:sapphire channel-waveguide lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 1452	1.7	18
6	Fabrication and characterization of planar and channel waveguides in bismuth-based oxide glasses 2003 ,		2
5	Diffusion of Neodymium into Sputtered Films of Tantalum Pentoxide. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2581-2583	3.8	2
4	Surface domain engineering in congruent lithium niobate single crystals: A route to submicron periodic poling. <i>Applied Physics Letters</i> , 2002 , 81, 4946-4948	3.4	61
3	Fabrication of piezoelectric micro-cantilevers in domain-engineered LiNbO ₃ single crystals. <i>Journal of Micromechanics and Microengineering</i> , 2002 , 12, 53-57	2	24
2	Gallium-diffused waveguides in sapphire. <i>Optics Letters</i> , 2001 , 26, 1586-8	3	13
1	Two-dimensional snapshot measurement of surface variation of anchoring in liquid crystal cells. <i>Liquid Crystals</i> , 1-11	2.3	0