

sakellaris Mailis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1485357/publications.pdf>

Version: 2024-02-01

42
papers

885
citations

471371

17
h-index

477173

29
g-index

43
all docs

43
docs citations

43
times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	UV laser-induced nanostructured porous oxide in GaAs crystals. Solid State Sciences, 2022, 128, 106887.	1.5	2
2	On-chip non-magnetic optical isolator. Nature Photonics, 2021, 15, 794-795.	15.6	2
3	Optically Reconfigurable Graphene/Metal Metasurface on Fe:LiNbO ₃ for Adaptive THz Optics. ACS Applied Nano Materials, 2020, 3, 9494-9501.	2.4	5
4	FIB-SEM Investigation of Laser-Induced Periodic Surface Structures and Conical Surface Microstructures on D16T (AA2024-T4) Alloy. Metals, 2020, 10, 144.	1.0	5
5	Silicon erasable waveguides and directional couplers by germanium ion implantation for configurable photonic circuits. Optics Express, 2020, 28, 17630.	1.7	8
6	Laser processed semiconductors for integrated photonic devices -INVITED. EPJ Web of Conferences, 2020, 238, 01001.	0.1	0
7	Laser crystallized low-loss polycrystalline silicon waveguides. Optics Express, 2019, 27, 4462.	1.7	10
8	Experimental and DFT insights of the Zn-doping effects on the visible-light photocatalytic water splitting and dye decomposition over Zn-doped BiOBr photocatalysts. Applied Catalysis B: Environmental, 2019, 243, 502-512.	10.8	164
9	Ion Implantation in Silicon for Trimming the Operating Wavelength of Ring Resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7.	1.9	53
10	Towards High Speed and Low Power Silicon Photonic Data Links. , 2018, , .		2
11	Optical Gating of Graphene on Photoconductive Fe:LiNbO ₃ . ACS Nano, 2018, 12, 5940-5945.	7.3	36
12	Advancing silicon photonics by germanium ion implantation into silicon. , 2018, , .		1
13	Germanium implanted photonic devices for post-fabrication trimming and programmable circuits. , 2018, , .		1
14	Design considerations for quasi-phase-matching in doubly resonant lithium niobate hexagonal micro-resonators. Journal of Optics (United Kingdom), 2017, 19, 095505.	1.0	0
15	Post-fabrication phase trimming of Mach-Zehnder interferometers by laser annealing of germanium implanted waveguides. Photonics Research, 2017, 5, 578.	3.4	29
16	Intrinsic and photo-induced optical properties of photoaligning azo-based materials coupled with liquid crystal systems (Conference Presentation). , 2017, , .		0
17	Sub-micron domain engineering in lithium niobate by laser light irradiation of patterned chromium. , 2015, , .		0
18	Precise, reproducible nano-domain engineering in lithium niobate crystals. Applied Physics Letters, 2015, 107, .	1.5	19

#	ARTICLE	IF	CITATIONS
19	Ultraviolet laser induced domain inversion on chromium coated lithium niobate crystals. Optical Materials Express, 2014, 4, 241.	1.6	9
20	Ultraviolet laser-induced poling inhibition produces bulk domains in MgO-doped lithium niobate crystals. Applied Physics Letters, 2014, 105, .	1.5	9
21	Enhanced second harmonic generation in lithium niobate hexagonal micro-resonator via total internal reflection quasi-phase-matching. , 2014, , .		2
22	Extreme electronic bandgap modification in laser-crystallized silicon optical fibres. Nature Materials, 2014, 13, 1122-1127.	13.3	94
23	Single-pulse multiphoton fabrication of high aspect ratio structures with sub-micron features using vortex beams. Applied Physics A: Materials Science and Processing, 2012, 108, 651-655.	1.1	23
24	Ferroelectric domain engineering and micro-structuring of lithium niobate. , 2010, , .		0
25	Ultra-smooth lithium niobate photonic micro-structures by surface tension reshaping. Optics Express, 2010, 18, 11508.	1.7	24
26	Determination of Refractive Indices From the Mode Profiles of UV-Written Channel Waveguides in LiNbO_3 -Crystals for Optimization of Writing Conditions. Journal of Lightwave Technology, 2009, 27, 3490-3497.	2.7	22
27	Depth resolution of piezoresponse force microscopy. Applied Physics Letters, 2009, 94, .	1.5	37
28	Ultraviolet writing of channel waveguides in proton-exchanged LiNbO ₃ . Journal of Applied Physics, 2007, 101, 014110.	1.1	5
29	Photopatterning of DNA oligonucleotides on silicon surfaces with micron-scale dimensions. , 2004, , .		3
30	Self-ordered sub-micron structures in Fe-doped LiNbO ₃ formed by light-induced frustration of etching. Applied Surface Science, 2004, 230, 138-150.	3.1	12
31	Fabrication of piezoelectric micro-cantilevers in domain-engineered LiNbO ₃ single crystals. Journal of Micromechanics and Microengineering, 2002, 12, 53-57.	1.5	24
32	Differential etch rates in z-cut LiNbO ₃ for variable HF/HNO ₃ concentrations. Journal of Materials Chemistry, 2002, 12, 295-298.	6.7	105
33	Microstructuring of lithium niobate single crystals using pulsed UV laser modification of etching characteristics. Optical Materials, 2002, 20, 125-134.	1.7	17
34	Microstructuring of ferroelectric crystal media using light, poling, and etching techniques. , 2001, , .		0
35	Electro-optically controlled beam switching via total internal reflection at a domain-engineered interface in LiNbO ₃ . Optics Communications, 2001, 197, 193-200.	1.0	19
36	Electro-optically controlled beam deflection for grazing incidence geometry on a domain-engineered interface in LiNbO ₃ . Optics Communications, 2001, 197, 201-207.	1.0	32

#	ARTICLE	IF	CITATIONS
37	Latency effects and periodic structures in light-induced frustrated etching of Fe:doped LiNbO ₃ . Applied Physics Letters, 2000, 77, 2792-2794.	1.5	9
38	Growth and characterization of pulsed laser deposited lead germanate glass optical waveguides. Optical Materials, 1999, 12, 27-33.	1.7	19
39	Etching and printing of diffractive optical microstructures by a femtosecond excimer laser. Applied Optics, 1999, 38, 2301.	2.1	39
40	Photosensitivity of lead germanate glass waveguides grown by pulsed laser deposition. Optics Letters, 1998, 23, 1751.	1.7	37
41	<title>Characterization of associative recall in a volume holographic database system for multimedia applications</title>. , 1998, , .		7
42	Computer-generated holographic diffractive structures fabricated by direct excimer laser microetching. , 1995, 2403, 448.		0