

# Alexandros A Serafetinides

## List of Publications by Year in descending order

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37  
papers

108  
citations

1684188

5  
h-index

1588992

8  
g-index

38  
all docs

38  
docs citations

38  
times ranked

118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined radiation strategies for novel and enhanced cancer treatment. International Journal of Radiation Biology, 2020, 96, 1087-1103.	1.8	22
2	Geometrical effect characterization of femtosecond-laser manufactured glass microfluidic chips based on optical manipulation of submicroparticles. Optical Engineering, 2017, 56, 1.	1.0	3
3	Measurements of liposome biomechanical properties by combining line optical tweezers and dielectrophoresis. Journal of Liposome Research, 2015, 25, 202-210.	3.3	8
4	Plasmon assisted optical trapping: fundamentals and biomedical applications. , 2015, , .		0
5	Optical tweezers and cell biomechanics in macro- and nano-scale. Proceedings of SPIE, 2013, , .	0.8	2
6	Evaluation of trapping efficiency of optical tweezers by dielectrophoresis. Journal of Biomedical Optics, 2006, 11, 014035.	2.6	13
7	Dentin mid-infrared laser ablation at various lasing parameters. , 2005, 5630, 675.		0
8	Pulsed HF laser ablation of dentin. , 2005, , .		1
9	Development of a compact TEA HF oscillator-double-amplifier laser system with corona preionization suitable for medical applications. , 2005, , .		1
10	Advances in laser and tissue interactions: laser microbeams and optical trapping (Invited Paper). , 2005, , .		0
11	The influence of the Q-switched and free-running Er:YAG laser beam characteristics on the ablation of root canal dentine. Applied Surface Science, 2004, 233, 234-243.	6.1	12
12	Lasers and new trends in laser-tissue interaction. , 2004, 5449, 212.		0
13	Flash-pumped pulsed Cr:LiSAF laser action from a modified conventional solid state laser cavity. , 2003, , .		0
14	Laser-induced fluorescence in diagnosis of dental caries. , 2003, , .		1
15	Four-wave mixing near the 4P-4S transition of a potassium atom. , 2003, , .		0
16	Laser ablation of hard tissue: correlation between the laser beam parameters and the post-ablative tissue characteristics. , 2003, , .		0
17	Air-pollution monitoring and atmospheric parameter profiling over Athens, Greece, using a compact mobile laser remote sensing system. , 2003, , .		0
18	Q-switched Er:YAG radiation transmission through medical sapphire fibers. , 2003, 5131, 314.		1

#	ARTICLE	IF	CITATIONS
19	Q-switched Er:YAG radiation transmission through an oxide glass fiber for medical applications. , 2002, , .		2
20	One-year observations of the vertical structure of Saharan dust over Athens, Greece monitored by NTUA's lidar system in the frame of EARLINET. , 2002, 4539, 146.		2
21	Laser beam and tissue interactions: use of advanced therapeutic and diagnostic techniques: in-vitro experiments and in-vivo trials. , 2001, 4397, 362.		0
22	Development of a small portable spectrophotometry system for tissue optical properties measurements. , 2001, , .		0
23	<title>Optical properties of tissue simulators based on laser-induced spectroscopy and scattering measurements</title>. , 2001, , .		0
24	<title>Output beam quality investigation of medical infrared and midinfrared waveguides and fibers</title>. , 2001, , .		0
25	Development and in-vitro/in-vivo trials of an endoscopic laser diagnosis/surgery prototype. , 2001, , .		0
26	Spectroscopic characterisation of carotid atherosclerotic plaque by laser induced fluorescence. Lasers in Surgery and Medicine, 2001, 28, 67-73.	2.1	11
27	Gain and beam profile characteristics of a TEA-TEA HF oscillator-amplifier laser system. , 2001, 4397, 44.		0
28	Spectroscopic characterisation of carotid atherosclerotic plaque by laser induced fluorescence. Lasers in Surgery and Medicine, 2001, 28, 67-73.	2.1	2
29	<title>Quantitative estimation of absorbing chromophores in tissue simulators based on laser-induced spectroscopy and scattering measurements</title>. , 2000, , .		2
30	<title>Laser-excited autofluorescence for discrimination of atherosclerosis</title>. , 1999, 3564, 68.		3
31	Pulsed 3-Î¼m laser radiation transmission through hollow plastic and hollow glass waveguides. , 1999, , .		5
32	Pulsed HF and Er:YAG laser radiation transmission through sapphire and fluoride glass fibers. , 1999, , .		7
33	<title>Pulsed HF laser radiation transmission through fluorocarbon-polymer-coated silver hollow glass waveguides</title>. , 1998, 3199, 94.		1
34	<title>Age-dependent effects of He-Ne laser irradiation on the membrane fluidity of human erythrocytes</title>. , 1997, 3198, 55.		0
35	<title>Laser-induced fluorescence as a diagnostic tool in atherosclerosis</title>. , 1996, 3052, 394.		1
36	<title>Picosecond and femtosecond laser ablation of hard tissues</title>. , 1996, , .		6

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37	Novel design: sliding discharge plasma cathode hf laser in multicomponent tissue ablation. , 1994, , .		2