

# Garif G Akchurin

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

495  
citations

1937685

4  
h-index

1720034

7  
g-index

40  
all docs

40  
docs citations

40  
times ranked

897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-induced tissue hyperthermia mediated by gold nanoparticles: toward cancer phototherapy. Journal of Biomedical Optics, 2009, 14, 021016.	2.6	181
2	Circulation and distribution of gold nanoparticles and induced alterations of tissue morphology at intravenous particle delivery. Journal of Biophotonics, 2009, 2, 292-302.	2.3	144
3	Near-infrared laser photothermal therapy of cancer by using gold nanoparticles: Computer simulations and experiment. Medical Laser Application: International Journal for Laser Treatment and Research, 2007, 22, 199-206.	0.3	67
4	Gold nanoshell photomodification under a single-nanosecond laser pulse accompanied by color-shifting and bubble formation phenomena. Nanotechnology, 2008, 19, 015701.	2.6	62
5	<title>Coherent, low-coherent, and polarized light interaction with tissues undergoing refractive-index matching control</title>. , 1998, 3251, 12.		11
6	<title>Speckle contrast measurements with changeable coherence length: the method of scattering media probing</title>. , 2002, 4705, 137.		6
7	Near-infrared laser photothermal therapy and photodynamic inactivation of cells by using gold nanoparticles and dyes. Proceedings of SPIE, 2007, , .	0.8	4
8	<title>New approach to Monte Carlo simulation of photon transport in the frequency domain</title>. , 1995, , .		3
9	Spatial dynamics of the output speckle pattern of multimode fiber excited by frequency-sweeping He-Ne laser. , 1996, 2693, 741.		3
10	<title>Dynamic response of ensemble neurons to pulsed optical and electrical excitation in vivo and in vitro</title>. , 2002, 4707, 309.		3
11	<title>Laser interferential diagnostics of retinal visual acuity of the human eye with cataract</title>. , 1999, 3598, 288.		2
12	&lt;title&gt;Optimization of laser heating with the treatment of spontaneous tumors of domestic animals by use of thermography&lt;/title&gt;. Proceedings of SPIE, 2008, , .	0.8	2
13	Influence of gold nanoparticles on platelets functional activity in vitro. Proceedings of SPIE, 2008, , .	0.8	2
14	New potentials of laser retinometry. , 1999, , .		1
15	<title>Optical chaos in a single-mode frequency-stabilized laser</title>. , 2000, , .		1
16	<title>Measurement of retinal visual acuity in human eyes</title>. , 2000, , .		1
17	Optical dynamic chaos in gas-discharge laser with delayed feedback. , 2001, , .		1
18	The peculiarities of localized laser heating of a tissue doped by gold nanostars. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Sensitive method of in-vivo photon migration investigation in tissue using a mode-locked laser. , 1994, 2100, 104.		0
20	<title>Determination of tissue scattering dynamic parameter using a mode-locked laser</title>. , 1994, 2082, 220.		0
21	Frequency domain measurements for laser diagnostics of microwave transistors. , 1995, 2382, 302.		0
22	<title>Dynamic properties of optoelectronic effect in a heterojunction laser in microwave range</title>. , 1995, 2399, 261.		0
23	Coherence-domain optical methods for cell and tissue structure and function monitoring. , 1996, , .		0
24	<title>Dynamic response of biotissues using microwave-modulated diode laser and mode-locked YAG:Nd laser</title>. , 1996, , .		0
25	<title>Spatial-temporal optical oscillations in feedback system and eye-brain model</title>. , 1997, , .		0
26	<title>Light source for low-coherence interferometry and imaging</title>. , 1998, 3251, 273.		0
27	Evaluation of the degree of turbidity of cataract lens and its correlation with retinal visual acuity. , 1999, 3591, 74.		0
28	Coherent optical methods of dynamic parameter diagnostics of microwave transistors. , 1999, , .		0
29	<title>Spectral characteristics of the human eye in vivo determined using low-coherence interferometry</title>. , 2000, , .		0
30	<title>Dynamic response of the human retina to pulsed optical and electrical stimulation</title>. , 2000, 4001, 402.		0
31	<title>Clinical application of red and green laser retinometer for cataracts of various etiology using speckle technologies</title>. , 2001, , .		0
32	<title>Statistical properties of scattered speckle fields and problems of laser retinometry</title>. , 2001, , .		0
33	<title>Anomalous action of spontaneous emission on the bandwidth of synchronization in YAG:Nd mode-locked laser</title>. , 2002, , .		0
34	Polarization-sensitive low-coherence speckle spectroscopy of scattering media. , 2003, , .		0
35	Photodynamic inactivation of somatic frog nerve ex vivo. , 2004, , .		0
36	Optical controlling dynamic and fluctuation processes in ensemble of neurons at pulsed electrical excitation ex vivo. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
37	Transverse dynamics of speckles in output radiation of optical fiber and determination of intermode dispersion generated under probing of laser diode with GHz frequency deviation. , 2005, 5727, 186.		0
38	Change of propagation speed of action potential in axons bunch of frog"s somatic nerve ex vivo and processes of inactivation under local laser influence. , 2005, , .		0
39	Technology and mechanism of neuron inactivation by N <sub>2</sub> laser radiation ( $\lambda=337$ nm), mercury-vapor lamp ( $\lambda=365$ nm), and low-coherence UV-A sun radiation. , 2005, , .		0
40	UV-A fiber-optic technique of the local function injury of the bundle of axons using radiation of N <sub>2</sub> laser ( $\lambda=337$ nm). , 2005, 5771, 349.		0