

# Sergei N Bagayev

## List of Publications by Year in descending order

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24  
papers

149  
citations

2148532

4  
h-index

2501632

4  
g-index

24  
all docs

24  
docs citations

24  
times ranked

111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanopowders M <sub>2</sub> O <sub>3</sub> (M = Y, La, Yb, Nd) with spherical particles and laser ceramics based on them. Quantum Electronics, 2013, 43, 271-275.	0.3	11
2	Formation of luminescent emitters by intense laser radiation in transparent media. Quantum Electronics, 2013, 43, 463-466.	0.3	39
3	Subsurface photorefractive effect in LiNbO <sub>3</sub> under high-power 248-nm laser irradiation. , 2003, 4977, 250.		0
4	Investigations of the influence of a tapered fiber on spectrum of femtosecond pulses train. , 2003, , .		0
5	Chromosome mutations and tissue regeneration in the cornea after the UV laser irradiation. , 2003, 4953, 70.		0
6	Femtosecond optical clock. , 2002, 4750, 138.		0
7	<title>Investigation of Ti:S femtosecond laser radiation spectrum broadened in tapered fiber</title>. , 2002, 4900, 147.		0
8	Laser-induced collective interactions under propagation of polychromatic radiation pulse through resonant optically dense extended medium without population inversion. , 2002, , .		1
9	Prospects of VUV and x-ray laser on the effect of charge-transfer of laser-produced ions. , 2002, , .		0
10	Quantum cooperative cluster: a new basic element for optical parallel computers. , 2002, , .		0
11	<title>Femtosecond optical clock with the use of a frequency comb</title>. , 2002, 4900, 125.		1
12	<title>Advantages of using the 223-nm compared with 193-nm radiation wavelength for ophthalmic applications</title>. , 2002, , .		0
13	<title>High-resolution laser spectrometer based on an active interferometer</title>. , 2002, 4900, 167.		0
14	<title>Choice of the laser wavelength for a herpetic keratitis treatment</title>. , 2002, , .		2
15	Holey fibers with 0.4-to 32- $\hat{1}$ / <sub>4</sub> m-lattice-constant photonic band-gap cladding: fabrication, characterization, and applications. , 2002, 4748, 323.		0
16	<title>Excimer laser ophthalmic system optical coherence tomography</title>. , 2001, , .		1
17	Application of femtosecond lasers for the frequency synthesis in radio-optical ranges and for the creation of an optical clock. , 2001, 4350, 171.		1
18	<title>Perspectives of using the 223-nm wavelength of the KrCl excimer laser for refractive surgery and for the treatment of some eye diseases</title>. , 2000, , .		2

#	ARTICLE	IF	CITATIONS
19	<title>Precision light scattering spectroscopy for studying the determinate movement of biological objects</title>. , 1999, , .		1
20	<title>Absolute frequency measurements in precision laser spectroscopy of muonium</title>. , 1999, , .		4
21	Monoclinic Tungstates $KDy(WO_4)_2$ and $KLu(WO_4)_2$ - New $f(3)$ -Active Crystals for Laser Raman Shifters. Japanese Journal of Applied Physics, 1998, 37, L923-L926.	0.8	50
22	Observation of variations of long-period microseismic noise by precision laser interferometry. , 1998, , .		1
23	<title>Dynamic peculiarities of motility of some species of micro-organisms by quasi-elastic light scattering</title>. , 1998, 3251, 267.		1
24	New Stimulated Emission Channels of $Pr^{f(3)}$ and $Tm^{f(3)}$ Ions in Monoclinic $KR(WO_4)_2$ Type Crystals with Ordered Structure (R=Y and Gd). Japanese Journal of Applied Physics, 1997, 36, L107-L109.	0.8	34