

Nikolai Raspopov

List of Publications by Year in descending order

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23
papers

71
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1937685

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1588992

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23
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docs citations

23
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Direct detection of singlet oxygen $O_2(a^1\pi_g)$ by absorption at the $a^1\pi_g \rightarrow b^1\Sigma_g^+$ transition using intracavity laser spectroscopy. Quantum Electronics, 2001, 31, 363-366.	1.0	22
2	Lasing characteristics of heavily doped single-crystal Fe:ZnSe. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	16
3	Dynamics of the intracavity absorption in the spectrum of a Co:MgF ₂ laser emitting for up to 1 ms. Quantum Electronics, 1999, 29, 223-225.	1.0	6
4	Highly sensitive detection of gaseous impurities by intracavity laser spectroscopy based on a Co:MgF ₂ laser. Quantum Electronics, 1999, 29, 742-744.	1.0	6
5	Efficiency of surface plasmon excitation at the photonic crystal "metal interface. Quantum Electronics, 2015, 45, 1055-1062.	1.0	4
6	A GaInAs/AlInAs quantum cascade laser with an emission wavelength of 5.6 μ m. Quantum Electronics, 2018, 48, 472-475.	1.0	4
7	Localised plasmons on the aperture of a channel in a metal layer. Quantum Electronics, 2012, 42, 87-94.	1.0	3
8	Co:MgF ₂ laser for intracavity laser spectroscopy. , 2002, , .		2
9	Multimode theory of plasmon excitation at a metal"photonic crystal interface. Quantum Electronics, 2017, 47, 1171-1177.	1.0	2
10	Energy and spectral"temporal characteristics of a Fe:ZnSe laser on heavily doped single crystals. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	2
11	Quantum cascade laser with bound-to-quasi-continuum optical transitions at a temperature of up to 371 K. Quantum Electronics, 2020, 50, 710-713.	1.0	2
12	Spectral dynamics of a multimode Co:MgF ₂ laser with intracavity absorption. , 2003, , .		1
13	Intensity of Surface Plasmon-Polaritons at a Photonic Crystal"Gold Interface Depending on the Radiation Wavelength. Journal of Russian Laser Research, 2019, 40, 35-41.	0.6	1
14	Nonlinear dynamics of a multimode ring dye laser with an adjustable cavity dispersion and sensitivity of intracavity laser spectroscopy. , 1994, 2205, 476.		0
15	Intracavity laser spectroscopy with NaCl:OH crystal colour-centre lasers. Quantum Electronics, 1999, 29, 219-222.	1.0	0
16	<title>A new diagnostic device: KINOX</title>. , 2005, , .		0
17	Irreversible change in erythrocyte metabolism as a main cause of patient stress after banked donor blood transfusion. Bulletin of the Lebedev Physics Institute, 2008, 35, 187-194.	0.6	0
18	In vitro study of glucose utilization and erythrocyte membrane penetrability. Bulletin of the Lebedev Physics Institute, 2008, 35, 349-354.	0.6	0

#	ARTICLE	IF	CITATIONS
19	A scheme of plasmon excitation at the interface between metal and a photonic crystal. Journal of Experimental and Theoretical Physics, 2014, 118, 395-400.	0.9	0
20	On the Nature of Defects in Solid Structure under the Action of Laser Radiation with the Energy Not Destructing a Sample as a Whole. Bulletin of the Lebedev Physics Institute, 2018, 45, 29-34.	0.6	0
21	Optimal conditions for surface wave excitation at a photonic crystal-metal interface. Laser Physics, 2019, 29, 065901.	1.2	0
22	Intracavity laser spectroscopy of plasma. , 2002, , .		0
23	Spectral and lasing characteristics of heavily doped Fe:ZnSe single-crystal lasers. , 2020, , .		0