

Sergei A Kuznetsov

List of Publications by Year in descending order

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34
papers

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1684188
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docs citations

34
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40
citing authors

#	ARTICLE	IF	CITATIONS
1	A femtosecond self-mode-locked Ti:sapphire laser with high stability of pulse-repetition frequency and its applications. Applied Physics B: Lasers and Optics, 2000, 70, 375-378.	2.2	13
2	Spectral and temporal characteristics of a supercontinuum in tapered optical fibres. Quantum Electronics, 2004, 34, 1107-1115.	1.0	10
3	A highly efficient, compact Yb:KYW laser for mobile precision systems. Quantum Electronics, 2014, 44, 444-447.	1.0	9
4	Femtosecond Combs for Precision Metrology. , 2005, , 87-108.		6
5	Study of the spectral characteristics of a femtosecond Ti:sapphire laser after propagation of its radiation through a tapered fibre. Quantum Electronics, 2003, 33, 883-888.	1.0	5
6	Femtosecond optical clock. Quantum Electronics, 2004, 34, 1096-1100.	1.0	5
7	Measuring the shift of a femtosecond laser frequency comb by the interference method. Quantum Electronics, 2012, 42, 71-75.	1.0	5
8	Laser frequency stabilisation on narrow resonances of cold magnesium atoms at the $1S_0 \rightarrow 3P_1$ transition. Quantum Electronics, 2018, 48, 410-414.	1.0	5
9	Study of the spectral width of intermode beats and optical spectrum of an actively mode-locked three-mirror semiconductor laser. Quantum Electronics, 2005, 35, 821-824.	1.0	4
10	Spectral broadening of radiation from a femtosecond Cr:forsterite laser in highly nonlinear fibers. Journal of Experimental and Theoretical Physics, 2007, 105, 881-885.	0.9	4
11	Absolute frequency measurement for the emission transitions of molecular iodine in the 982 \rightarrow 985 nm range. Quantum Electronics, 2012, 42, 250-257.	1.0	4
12	Highly efficient multimode diode-pumped Yb:KYW laser. Journal of Physics: Conference Series, 2017, 793, 012016.	0.4	4
13	Study of mode locking in a microwave-pumped diode laser close to the generation threshold. Quantum Electronics, 2004, 34, 623-624.	1.0	3
14	Synchronisation of the radiation frequency of diode lasers with the mode frequency of a highly stable femtosecond Ti:sapphire laser. Quantum Electronics, 2001, 31, 383-386.	1.0	2
15	On the measurement of surface oscillations using a femtosecond laser. Quantum Electronics, 2005, 35, 767-768.	1.0	2
16	Application of femtosecond lasers for the frequency synthesis in radio-optical ranges and for the creation of an optical clock. , 2001, 4350, 171.		1
17	<title>Femtosecond optical clock with the use of a frequency comb</title>. , 2002, 4900, 125.		1
18	Experimental investigation of Schottky barrier diodes as nonlinear elements in 800-nm-wavelength region. Applied Physics B: Lasers and Optics, 2004, 79, 33-38.	2.2	1

#	ARTICLE	IF	CITATIONS
19	An optical frequency standard based on ultracold magnesium atoms. Journal of Physics: Conference Series, 2017, 793, 012008.	0.4	1
20	A Yb:KYW Laser Pumped by a Powerful Single-Mode Tapered Diode Laser. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 291-295.	0.6	1
21	Formation and distortions of the ultrashort pulse train spectrum broadened in tapered fiber. , 0, , .		0
22	Femtosecond optical clock. , 2002, 4750, 138.		0
23	Experimental investigations of the influence of a tapered fibre on the stability of the intermode frequency of highly stable femtosecond pulses. Quantum Electronics, 2002, 32, 639-640.	1.0	0
24	<title>Investigation of Ti:S femtosecond laser radiation spectrum broadened in tapered fiber</title>. , 2002, 4900, 147.		0
25	Investigations of the influence of a tapered fiber on spectrum of femtosecond pulses train. , 2003, , .		0
26	<title>Investigation of the mode-locked regime in a diode laser by microwave pumping at a current close to the generation threshold</title>. , 2004, , .		0
27	<title>Narrowing dynamics of intermode beat spectrum and their frequency stability at active mode-locking in a three-mirror diode laser</title>. , 2005, , .		0
28	Features of measurements of small surface displacements by femtosecond lasers. , 0, , .		0
29	Supercontinuum generation in highly nonlinear optical fibers using Cr:Forsterite laser. , 0, , .		0
30	A frequency-stabilized infrared comb for precision frequency measurements in the region of 1 - 2 μm. , 0, , .		0
31	Generation of supercontinuum in optical fiber by radiation of femtosecond Cr4+:forsterite laser. , 2007, , .		0
32	<title>The investigation of intermode beat stability and frequency pulling effect at active mode-locking in a three-mirror diode laser</title>. , 2007, , .		0
33	A highly efficient compact Yb:KYW laser. , 2014, , .		0
34	Absolute frequency measurements for emission transitions of molecular iodine in the range of 1053â€“1068 nm. Quantum Electronics, 2019, 49, 633-640.	1.0	0