## Usman K Sapaev

List of Publications by Year in descending order

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LISMAN K SADAFY

#	Article	IF	CITATIONS
1	General second-harmonic pulse shaping in grating-engineered quasi-phase-matched nonlinear crystals. Optics Express, 2005, 13, 3264.	3.4	32
2	Efficient high-harmonic generation in engineered quasi-phase matching gratings. Optics Express, 2008, 16, 1.	3.4	26
3	Designer femtosecond pulse shaping using grating-engineered quasi-phase-matching in lithium niobate. Optics Letters, 2008, 33, 378.	3.3	18
4	Pulse shaping via Backward Second Harmonic Generation. Optics Express, 2008, 16, 2115.	3.4	16
5	Engineered quasi-phase matching for multiple parametric generation. Optics Express, 2009, 17, 3765.	3.4	12
6	Femtosecond pulse synthesis by efficient second-harmonic generation in engineered quasi phase matching gratings. Optics Express, 2007, 15, 7448.	3.4	10
7	Combined action of the bound-electron nonlinearity and the tunnel-ionization current in low-order harmonic generation in noble gases. Optics Express, 2013, 21, 25582.	3.4	9
8	Quasi-phase-matching for third harmonic generation in noble gases employing ultrasound. Optics Express, 2012, 20, 22753.	3.4	8
9	Theory of second-harmonic generation for limited laser beams in nonlinear crystals. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 355-356.	1.4	7
10	Optimization of type-II frequency doubling of spatial and temporal limited laser light in nonlinear crystals. Optical and Quantum Electronics, 2005, 37, 515-527.	3.3	4
11	Features of nonstationary SHG of phase-modulated laser pulses under self-action conditions. Quantum Electronics, 2003, 33, 168-170.	1.0	3
12	Compensating group-velocity mismatch in parametric frequency generation. Optics Letters, 2007, 32, 2921.	3.3	3
13	Optimum formation of the response of aperiodic nonlinear crystals in the process of second harmonic generation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 939-943.	0.6	3
14	Nonstationary frequency doubling in periodically-poled nonlinear crystals in the presence of self-action effects. Journal of Russian Laser Research, 2007, 28, 279-287.	0.6	3
15	Multistep third-harmonic generation of femtosecond laser pulses in periodically-poled and chirped-periodically-poled lithium niobate. Journal of Russian Laser Research, 2009, 30, 321-326.	0.6	3
16	Frequency Doubling Of Femtosecond Laser Pulses In Nonlinear Photonic Crystals With Account Of High-Order Dispersion. Journal of Russian Laser Research, 2019, 40, 280-287.	0.6	3
17	Title is missing!. Optical and Quantum Electronics, 2000, 32, 1289-1294.	3.3	2
18	Theory of backward second-harmonic generation of short laser pulses in periodically and aperiodically poled nonlinear crystals. Journal of Russian Laser Research, 2012, 33, 196-210.	0.6	2

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#	Article	IF	CITATIONS
19	Change of optimum conditions of second harmonic generation of spatial limited laser beams in nonlinear crystals. Optical and Quantum Electronics, 2003, 35, 1311-1315.	3.3	1
20	Optimum conditions for the generation of the second harmonic of intense laser radiation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2003, 95, 154-157.	0.6	1
21	Optimization of third harmonic generation for two coupled three-frequency interactions of waves with multiple frequencies in periodic crystals. Optics and Spectroscopy (English Translation of Optika) Tj ETQq1 1	007684314	∙ngBT/Ove
22	Nonlinear pulse compression in inhomogeneous photonic crystals upon backward second harmonic generation. Quantum Electronics, 2009, 39, 317-320.	1.0	1
23	Efficient pulse compression and frequency conversion of phase-modulated laser pulses in engineered quasi-phase-matching gratings. Physics of Wave Phenomena, 2011, 19, 107-111.	1.1	1
24	Nonlinear pulse compression by the second-harmonic generation in quasiphase and group-velocity matched samples. Journal of Russian Laser Research, 2011, 32, 41.	0.6	1
25	Scattering matrix element influence on essentially transient amplification of Stokes and anti-Stokes pulses. , 1999, 3733, 50.		0
26	Title is missing!. Journal of Applied Spectroscopy, 2003, 70, 407-411.	0.7	0
27	Methods of enhancement of the efficiency of generation of the second optical harmonic of spatially limited laser beams. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 101, 980-982.	0.6	Ο
28	Second-harmonic pulse shaping with engineered quasi-phase-matching gratings in the strongly depleted pump regime. , 2007, , .		0
29	Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures. , 2010, , .		0
30	On the theory of second-harmonic generation in 2D nonlinear photonic crystals with arbitrary domain structures. Physics of Wave Phenomena, 2016, 24, 268-271.	1.1	0