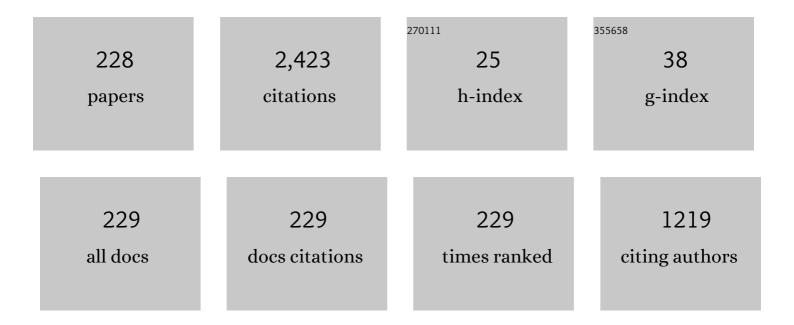
Leonid Selenev

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Spectrum Broadening of Femtosecond Pulses of a Titanium–Sapphire Laser in the Post-Filament Channel with Varying Radiation Wavelength. Bulletin of the Lebedev Physics Institute, 2022, 49, 25-29.	0.1	0
2	Stimulated Raman Scattering of Chirped Ti:Sapphire Laser Pulses in BaWO4 Crystal. Russian Physics Journal, 2022, 64, 2058-2061.	0.2	2
3	Postfilament supercontinuum on 100  m path in air. Optics Letters, 2021, 46, 1125.	1.7	15
4	Frequency-angular distribution for terahertz emission of single-color laser filament plasma under an electrostatic field. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2168.	0.9	6
5	Broadband (8.5–13.5  µm) intra-pulse difference frequency generation in a LiGaS ₂ crysta a 90  fs 744  nm laser pulse after its continuous redshift in air. Optics Letters, 2021, 46, 3420.	al of 1.7	2
6	Spectral-angular patterns and energy threshold for linear-to-nonlinear femtosecond laser pulse focusing in air. Laser Physics, 2021, 31, 075402.	0.6	2
7	Remote triggering of air-gap discharge by a femtosecond laser filament and postfilament at distances up to 80 m. Applied Physics Letters, 2021, 119, .	1.5	13
8	Origin of the redshifted hump in the spectrum of an ultrashort laser pulse under its filamentation in atomic and molecular gases. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2230.	0.9	1
9	Transformation of the frequency-angular spectrum of THz emissions produced by a single-color laser filament under an external electrostatic field of various strength. Laser Physics Letters, 2021, 18, 115401.	0.6	4
10	Terahertz emission from a single-color laser filament plasma. , 2021, , .		0
11	Flat-top THz directional diagram of a DC-biased filament. Optics Letters, 2021, 46, 5497.	1.7	15
12	Tracing Evolution of Angle-Wavelength Spectrum along the 40-m Postfilament in Corridor Air. Photonics, 2021, 8, 446.	0.9	3
13	Balance of emission from THz sources in DC-biased and unbiased filaments in air. Optics Express, 2021, 29, 40687.	1.7	6
14	Tracing Air-Breakdown Plasma Characteristics from Single-Color Filament Terahertz Spectra. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1105-1113.	1.2	5
15	Highly efficient stimulated Raman scattering of sub-picosecond laser pulses in BaWO ₄ for 10.6  µm difference frequency generation. Optics Letters, 2020, 45, 2160.	1.7	13
16	Similarity of angular distribution for THz radiation emitted by laser filament plasma channels of different lengths. Optics Letters, 2020, 45, 4009.	1.7	9
17	Enhancement of third harmonic yield in fused filaments due to Gouy shift suppression. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1406.	0.9	0
18	In Situ Supercontinuum Nanopatterning of Silicon Surface by Femtosecond Laser Superfilaments. JETP Letters, 2019, 109, 157-162	0.4	3

#	Article	IF	CITATIONS
19	Terahertz emission from a single-color ultraviolet filament. Laser Physics Letters, 2019, 16, 105403.	0.6	4
20	Super-broadband hybrid mid-infrared laser systems. , 2019, , .		2
21	Third-harmonic generation from regularized converging filaments. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A66.	0.9	7
22	Energy, spectral, and angular properties of post-filamentation channels during propagation in air and condensed media. Journal of the Optical Society of America B: Optical Physics, 2019, 36, G19.	0.9	5
23	Range of multiple filamentation of a terawatt-power large-aperture KrF laser beam in atmospheric air. Journal of the Optical Society of America B: Optical Physics, 2019, 36, G25.	0.9	5
24	Influence of air humidity on 248-nm ultraviolet laser pulse filamentation. Optics Letters, 2019, 44, 2165.	1.7	6
25	Comparison of terahertz radiation spectra emitted from single-color IR and UV filaments. , 2019, , .		0
26	Sum frequency generation under conversion of Q-switched cryogenic slab RF discharge CO laser radiation in ZnGeP ₂ . Laser Physics, 2018, 28, 025401.	0.6	15
27	Influence of dispersion stretching of ultrashort UV laser pulse on the critical power for self-focusing. Laser Physics, 2018, 28, 045405.	0.6	0
28	Q-switched repetitively pulsed cryogenic slab RF discharge CO laser with active medium comprising air. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	10
29	Post-filamentation high-intensive light channels formation upon ultrashort laser pulses self-focusing in air. Proceedings of SPIE, 2017, , .	0.8	0
30	Influence of multi-line CO laser focusing on broadband sum-frequency generation. Laser Physics Letters, 2017, 14, 065401.	0.6	7
31	Experimental capabilities of the GARPUN MTW Ti : sapphire – KrF laser facility for investigating the interaction of subpicosecond UV pulses with targets. Quantum Electronics, 2017, 47, 319-326.	0.3	15
32	<i>Q</i> -switched slab RF discharge CO laser. Laser Physics Letters, 2017, 14, 055001.	0.6	18
33	Plasma chemistry of the sealed-off slab CO laser active medium pumped by radio-frequency discharge with liquid-nitrogen-cooled electrodes. Plasma Physics Reports, 2017, 43, 899-909.	0.3	5
34	Major pathway for multiphoton air ionization at 248 nm laser wavelength. Applied Physics Letters, 2017, 111, 224104.	1.5	16
35	Parameters of intense light channels during the postfilamentation stage of ultrashort laser radiation evolution. Atmospheric and Oceanic Optics, 2017, 30, 217-221.	0.6	1
36	Fifteen meter long uninterrupted filaments from sub-terawatt ultraviolet pulse in air. Optics Express, 2017, 25, 25386.	1.7	26

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37	Nonlinear optical feedback for nano- and micropatterning of silicon surface under femtosecond laser irradiation. Optical Materials Express, 2017, 7, 2793.	1.6	8
38	On the possibility of developing quasi-CW high-power high-pressure laser on 4p–4s transition of Arl with electron beam—optical pumping: quenching of 4s (³ P ₂) lower laser level. Laser Physics, 2017, 27, 125803.	0.6	8
39	Post-filamentation propagation of high-power laser pulses in air in the regime of narrowly focused light channels. Quantum Electronics, 2016, 46, 1009-1014.	0.3	7
40	Kerr self-defocusing of multiple filaments in TW peak power UV laser beam. Laser Physics Letters, 2016, 13, 125404.	0.6	8
41	Difference frequencies of CO and CO <inf>2</inf> lasers when tuning phase-matching angle in AgGaSe <inf>2</inf> crystal. , 2016, , .		0
42	Q-switched cryogenically cooled slab RF discharge CO laser. , 2016, , .		0
43	Ultrafast electron dynamics of material surfaces under the action of femtosecond laser pulses. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 450-454.	0.1	4
44	High intensive light channel formation in the post-filamentation region of ultrashort laser pulses in air. Journal of Optics (United Kingdom), 2016, 18, 095503.	1.0	10
45	Plasmon–polariton assisted formation of nanotip arrays on surfaces of bulk aluminum upon femtosecond laser irradiation. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 991-995.	0.1	2
46	Fusion of regularized femtosecond filaments in air: far field on-axis emission. Laser Physics Letters, 2016, 13, 116005.	0.6	18
47	Detecting of thin oil films on water surface via UV filaments. , 2016, , .		0
48	Remote sensing for oil products on water surface via fluorescence induced by UV filaments. , 2016, , .		2
49	Detection of thin oil films on the water surface with the help of UV filaments. Atmospheric and Oceanic Optics, 2016, 29, 339-341.	0.6	2
50	Filamentation of four beams under focusing in air. , 2016, , .		0
51	Repetitively pulsed cryogenically cooled quasi-sealed-off slab RF discharge first-overtone CO laser. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	6
52	Non-linear increase and saturation of third-harmonic yield from supported silver nanostructures excited by IR femtosecond laser pulses. Laser Physics Letters, 2016, 13, 035302.	0.6	9
53	Ultrafast femtosecond laser ablation of graphite. Laser Physics Letters, 2015, 12, 075301.	0.6	13
54	The influence of the energy reservoir on the plasma channel in focused femtosecond laser beams. Laser Physics, 2015, 25, 065402.	0.6	7

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55	Spectroscopy based on target luminescence caused by interaction with UV filaments. Laser Physics Letters, 2015, 12, 065701.	0.6	3
56	Electron emission and ultrafast low-fluence plasma formation during single-shot femtosecond laser surface ablation of various materials. JETP Letters, 2015, 101, 308-312.	0.4	18
57	Preablation electron and lattice dynamics on the silicon surface excited by a femtosecond laser pulse. Journal of Experimental and Theoretical Physics, 2015, 121, 737-746.	0.2	14
58	Structural transformation and residual stresses in surface layers of αÂ+Âβ titanium alloys nanotextured by femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2015, 119, 241-247.	1.1	34
59	Nonlinear optical dynamics during femtosecond laser nanostructuring of a silicon surface. Laser Physics Letters, 2015, 12, 025902.	0.6	18
60	Extended plasma channels created by UV laser in air and their application to control electric discharges. Plasma Physics Reports, 2015, 41, 112-146.	0.3	18
61	Silicon as a virtual plasmonic material: Acquisition of its transient optical constants and the ultrafast surface plasmon-polariton excitation. Journal of Experimental and Theoretical Physics, 2015, 120, 946-959.	0.2	33
62	Multiple filamentation of supercritical UV laser beam in atmospheric air. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 227-231.	0.6	8
63	Formation of plasma channels in air under filamentation of focused ultrashort laser pulses. Laser Physics, 2015, 25, 033001.	0.6	6
64	Femtosecond laser filament and plasma channels in focused beam in air. Proceedings of SPIE, 2015, , .	0.8	1
65	Reflection of a probe pulse and thermal emission of electrons produced by an aluminum film heated by a femtosecond laser pulse. Journal of Experimental and Theoretical Physics, 2015, 120, 937-945.	0.2	5
66	Comparative analysis of post-focal filamentation of focused UV and IR laser pulses in air. Quantum Electronics, 2015, 45, 321-329.	0.3	8
67	Effect of nonlinearity in the pass-through optics on femtosecond laser filament in air. Laser Physics Letters, 2015, 12, 015403.	0.6	4
68	Plasma channels during filamentation of a femtosecond laser pulse with wavefront astigmatism in air. Quantum Electronics, 2014, 44, 1085-1090.	0.3	13
69	Nanostructuring of the surface of silicate glass by femtosecond laser pulses in the UV range. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 262.	0.2	8
70	Directed transfer of microwave radiation in sliding-mode plasma waveguides produced by ultraviolet laser in atmospheric air. Applied Optics, 2014, 53, 131.	2.1	21
71	Ti:sapphire/KrF hybrid laser system generating trains of subterawatt subpicosecond UV pulses. Quantum Electronics, 2014, 44, 431-439.	0.3	12
72	Structural and electrical characteristics of a hyperdoped silicon surface layer with deep donor sulfur states. JETP Letters, 2014, 100, 55-58.	0.4	8

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73	Plasma channels under filamentation of infrared and ultraviolet double femtosecond laser pulses. Laser Physics Letters, 2014, 11, 016002.	0.6	7
74	"Heterogeneous―versus "homogeneous―nucleation and growth of microcones on titanium surface under UV femtosecond-laser irradiation. Applied Physics A: Materials Science and Processing, 2014, 116, 1133-1139.	1.1	24
75	Femtosecond laser fabrication of sub-diffraction nanoripples on wet Al surface in multi-filamentation regime: High optical harmonics effects?. Applied Surface Science, 2014, 292, 678-681.	3.1	24
76	Electron dynamics and prompt ablation of aluminum surface excited by intense femtosecond laser pulse. Applied Physics A: Materials Science and Processing, 2014, 117, 1757-1763.	1.1	32
77	Parabolic-like nanoantennas fabrication by femtosecond laser pulses for strong-field plasmonics. , 2014, , .		0
78	Femtosecond laser pulse filamentation with wave front modulation via pass-trough optics. , 2014, , .		0
79	Filamentation of IR and UV double femtosecond laser pulses. , 2014, , .		Ο
80	Enhancement of ultrafast electron photoemission from metallic nanoantennas excited by a femtosecond laser pulse. Laser Physics Letters, 2014, 11, 065301.	0.6	32
81	Filamentation of focused femtosecond laser pulse and plasma channel formation in the vicinity of geometric focus. , 2014, , .		Ο
82	Effects of picosecond terawatt UV laser beam filamentation and a repetitive pulse train on creation of prolonged plasma channels in atmospheric air. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 218-222.	0.6	10
83	Production of extended plasma channels in atmospheric air by amplitude-modulated UV radiation of GARPUN-MTW Ti : sapphire—KrF laser. Part 2. Accumulation of plasma electrons and electric discharge control. Quantum Electronics, 2013, 43, 339-346.	0.3	20
84	Direct measurement of the characteristic three-body electron attachment time in the atmospheric air in direct current electric field. Applied Physics Letters, 2013, 103, 034106.	1.5	7
85	Sub-100 nanometer transverse gratings written by femtosecond laser pulses on a titanium surface. Laser Physics Letters, 2013, 10, 056004.	0.6	31
86	Beam spatial profile effect on femtosecond laser surface structuring of titanium in scanning regime. Applied Surface Science, 2013, 284, 634-637.	3.1	25
87	Self-focusing of profiled ultrashort-wavelength laser beams in air. Journal of Experimental and Theoretical Physics, 2013, 116, 197-205.	0.2	6
88	Focusing of intense femtosecond surface plasmon-polaritons. JETP Letters, 2013, 97, 599-603.	0.4	18
89	Controlling plasma channels through ultrashort laser pulse filamentation. , 2013, , .		2
90	Femtosecond laser modification of titanium surfaces: direct imprinting of hydroxylapatite nanopowder and wettability tuning via surface microstructuring. Laser Physics Letters, 2013, 10, 045605.	0.6	14

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91	Filamentation of IR and UV femtosecond pulses upon focusing in air. Quantum Electronics, 2013, 43, 29-36.	0.3	26
92	Thermal melting and ablation of silicon by femtosecond laser radiation. Journal of Experimental and Theoretical Physics, 2013, 116, 347-362.	0.2	97
93	Nonlinear regime of the excitation of a surface electromagnetic wave on the silicon surface by an intense femtosecond laser pulse. JETP Letters, 2013, 97, 121-125.	0.4	21
94	Direct femtosecond laser fabrication of antireflective layer on GaAs surface. Applied Physics B: Lasers and Optics, 2013, 111, 419-423.	1.1	42
95	Filamentation of femtosecond laser pulses governed by variable wavefront distortions via a deformable mirror. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2257.	0.9	30
96	Triggering and guiding of electric discharge by a train of sub-TW UV laser pulses. Proceedings of SPIE, 2013, , .	0.8	0
97	Local field enhancement on metallic periodic surface structures produced by femtosecond laser pulses. Quantum Electronics, 2013, 43, 304-307.	0.3	7
98	Production of extended plasma channels in atmospheric air by amplitude-modulated UV radiation of GARPUN-MTW Ti : sapphire—KrF laser. Part 1. Regenerative amplification of subpicosecond pulses in a wide-aperture electron beam pumped KrF amplifier. Quantum Electronics, 2013, 43, 332-338.	0.3	19
99	Self-limited ionization of GaAs at high femtosecond laser intensities. , 2012, , .		1
100	Triggering and guiding electric discharge by a train of ultraviolet picosecond pulses combined with a long ultraviolet pulse. Applied Physics Letters, 2012, 100, 104105.	1.5	45
101	Triggering and guiding electric discharge by a train of ultrashort UV pulses and a long UV pulse emitted by a hybrid Ti:Sapphire-KrF laser facility. Proceedings of SPIE, 2012, , .	0.8	0
102	Triggering and guiding electric discharge by a train of ultrashort UV pulses. , 2012, , .		6
103	Femtosecond laser ablation of carbon: From spallation to formation of hot critical plasma. AIP Conference Proceedings, 2012, , .	0.3	13
104	Nonlinear propagation of a high-power focused femtosecond laser pulse in air under atmospheric and reduced pressure. Quantum Electronics, 2012, 42, 319-326.	0.3	4
105	Ultrafast electron dynamics on the silicon surface excited by an intense femtosecond laser pulse. JETP Letters, 2012, 96, 375-379.	0.4	24
106	Sub- and near-threshold femtosecond laser nanostructuring of solid surfaces. , 2012, , .		1
107	Self-limited ionization in bandgap renormalized GaAs at high femtosecond laser intensities. Optical Engineering, 2012, 51, 121808.	0.5	14
108	Comparative study of femtosecond and nanosecond laser ablation for propulsion applications. , 2012,		3

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#	Article	IF	CITATIONS
109	Femtosecond laser color marking of metal and semiconductor surfaces. Applied Physics A: Materials Science and Processing, 2012, 107, 301-305.	1.1	74
110	Dynamics of the spallative ablation of a GaAs surface irradiated by femtosecond laser pulses. JETP Letters, 2012, 94, 753-758.	0.4	20
111	Features of focused propagation of intense femtosecond laser pulses in air under low pressure. Atmospheric and Oceanic Optics, 2012, 25, 185-191.	0.6	4
112	Surface nanostructuring of Ni/Cu foilsby femtosecond laser pulses. Quantum Electronics, 2011, 41, 387-392.	0.3	25
113	Near-threshold femtosecond laser fabrication of one-dimensional subwavelength nanogratings on a graphite surface. Physical Review B, 2011, 83, .	1.1	48
114	Generation and detection of superstrong shock waves during ablation of an aluminum surface by intense femtosecond laser pulses. JETP Letters, 2011, 94, 34-38.	0.4	30
115	Nanoscale cavitation instability of the surface melt along the grooves of one-dimensional nanorelief gratings on an aluminum surface. JETP Letters, 2011, 94, 266-269.	0.4	46
116	Formation of quasi-periodic nano- and microstructures on silicon surface under IR and UV femtosecond laser pulses. Quantum Electronics, 2011, 41, 829-834.	0.3	19
117	Formation of periodic nanostructures on aluminum surface by femtosecond laser pulses. Nanotechnologies in Russia, 2011, 6, 237-243.	0.7	26
118	Surface modification of titanium by pulsed laser radiation of femtosecond duration. Inorganic Materials: Applied Research, 2011, 2, 206-209.	0.1	3
119	Third harmonic generation by ultrashort laser pulses tightly focused in air. Laser Physics, 2011, 21, 500-504.	0.6	13
120	Ultrafast changes in the optical properties of a titanium surface and femtosecond laser writing of one-dimensional quasi-periodic nanogratings of its relief. Journal of Experimental and Theoretical Physics, 2011, 113, 14-26.	0.2	63
121	Ultrasound diagnostics of optical breakdown and subcritical microplasma in the laser plume. Bulletin of the Lebedev Physics Institute, 2011, 38, 161-167.	0.1	3
122	Nanocomposites based on globular photonic crystals grown by laser ablation using femtosecond laser pulses. Bulletin of the Lebedev Physics Institute, 2011, 38, 328-333.	0.1	2
123	Topological evolution of self-induced silicon nanogratings during prolonged femtosecond laser irradiation. Applied Physics A: Materials Science and Processing, 2011, 104, 701-705.	1.1	16
124	Slab RF discharge overtone CO laser. , 2010, , .		2
125	Transverse gas flow RF slab discharge generator of singlet delta oxygen for oxygen-iodine laser. Proceedings of SPIE, 2010, , .	0.8	2

Non-linear Absorption and Ionization of Gases by Intense Femtosecond Laser Pulses. , 2010, , .

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127	Femtosecond Laser Micro-structuring Of Transparent Materials And Its Ophthalmologic Applications. , 2010, , .		0
128	Gas-Flow Slab RF Discharge as a Source of Singlet Delta Oxygen for Oxygen lodine Laser. , 2010, , .		1
129	<title>Carrier dynamics-induced transient photoexcitation and energy deposition in femtosecond-laser irradiated GaAs</title> . , 2010, , .		0
130	Lasers on overtone transitions of carbon monoxide molecule. Laser Physics, 2010, 20, 144-186.	0.6	23
131	Bulk femtosecond laser marking of natural diamonds. Laser Physics, 2010, 20, 1778-1782.	0.6	21
132	Peculiarities of filamentation of sharply focused ultrashort laser pulses in air. Journal of Experimental and Theoretical Physics, 2010, 111, 724-730.	0.2	25
133	In vitro femtosecond laser subsurface micro-disruption inside human cornea and pre-cleared sclera. Laser Physics Letters, 2010, 7, 463-466.	0.6	15
134	Evolution of black silicon nano- and micro-scale surface topologies upon femtosecond laser irradiation. Proceedings of SPIE, 2010, , .	0.8	0
135	Multiterawatt Ti:Sapphire/KrF laser GARPUN-MTW as a test bench facility for verification of combined amplification of nanosecond and subpicosecond pulses. Journal of Physics: Conference Series, 2010, 244, 032014.	0.3	13
136	Femtosecond laser nanostructuring of metals: sub100-nm one-dimensional surface gratings. Proceedings of SPIE, 2010, , .	0.8	0
137	Nanostructuring of solid surfaces by femtosecond laser pulses. , 2010, , .		3
138	Near-critical phase explosion promoting breakdown plasma ignition during laser ablation of graphite. Physical Review E, 2010, 82, 016404.	0.8	41
139	Influence of nitrogen oxides NO and NO ₂ on singlet delta oxygen production in pulsed discharge. Journal Physics D: Applied Physics, 2009, 42, 015201.	1.3	11
140	Slab overtone carbon monoxide laser. Proceedings of SPIE, 2009, , .	0.8	1
141	Femtosecond laser writing of subwave one-dimensional quasiperiodic nanostructures on a titanium surface. JETP Letters, 2009, 90, 107-110.	0.4	80
142	Tunneling ionization of air in the strong field of femtosecond laser pulses. JETP Letters, 2009, 90, 181-185.	0.4	9
143	Multiple filamentation of intense femtosecond laser pulses in air. JETP Letters, 2009, 90, 423-427.	0.4	39
144	Absorption and ionization of molecular nitrogen by UV femtosecond laser pulses. Optics Communications, 2009, 282, 45-47.	1.0	8

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145	RF discharge slab CO laser operating in both fundamental and first-overtone bands. Optics Communications, 2009, 282, 629-634.	1.0	17
146	Carbon monoxide laser emitting nanosecond pulses with 10MHz repetition rate. Optics Communications, 2009, 282, 294-299.	1.0	23
147	A cryogenic slab CO laser. Quantum Electronics, 2009, 39, 229-234.	0.3	7
148	Slab Overtone CO Laser Operating in the 2.5–4.0 Micron Spectral Range. IEEE Journal of Quantum Electronics, 2009, 45, 215-217.	1.0	9
149	Wideband CO laser in problems of laser sensing of minor gaseous components in the atmosphere. Russian Physics Journal, 2008, 51, 1200-1207.	0.2	9
150	Pulsed electron-beam sustained discharge CO laser on oxygen-containing gas mixtures. Quantum Electronics, 2008, 38, 115-124.	0.3	7
151	XeO luminescence in a self-sustained slab radio-frequency discharge. Bulletin of the Lebedev Physics Institute, 2008, 35, 111-112.	0.1	1
152	Nonlinear absorption of ultraviolet femtosecond laser pulses in argon. JETP Letters, 2008, 88, 8-11.	0.4	1
153	Carbon monoxide laser emitting nanosecond pulses with 10 MHz repetition rate. , 2008, , .		0
154	Nonlinear ionization of pure atomic and molecular gases by intense UV femtosecond laser pulses. Proceedings of SPIE, 2008, , .	0.8	0
155	RF discharge slab carbon monoxide laser: overtone lasing (2.5-4.0 micron) and fundamental band tuning (5.0-6.5 micron). Proceedings of SPIE, 2008, , .	0.8	0
156	Influence of nitrogen oxides NO and NO 2 additives on singlet oxygen production in pulsed electron-beam sustained discharge. , 2008, , .		0
157	Influence of nitrogen oxides on singlet delta oxygen production in pulsed electric discharge for oxygen-iodine laser. , 2008, , .		1
158	Mode-locked electron-beam sustained discharge CO laser. Proceedings of SPIE, 2008, , .	0.8	0
159	Multifrequency laser probing of CO-containing gas mixtures excited in a pulsed discharge. Quantum Electronics, 2007, 37, 231-236.	0.3	7
160	GARPUN-MTW: A hybrid Ti:Sapphire/KrF laser facility for simultaneous amplification of subpicosecond/nanosecond pulses relevant to fast-ignition ICF concept. Laser and Particle Beams, 2007, 25, 435-451.	0.4	66
161	High power optical sources of femtosecond pulses on the base of hybrid laser systems with wide-aperture gas laser amplifiers. Proceedings of SPIE, 2007, , .	0.8	0

Parametric study of SDO production in MW discharge by titration with iodide. , 2007, , .

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163	Pulsed CO laser operating on gas mixtures with high oxygen content. Proceedings of SPIE, 2007, , .	0.8	Ο
164	Repetitively pulsed and CW sealed-off slab CO laser with cryogenic cooling. , 2007, , .		6
165	Small signal gain in a pulsed CO laser amplifier operating on oxygen containing gas mixtures. , 2007, , .		Ο
166	High-power optical sources of femtosecond pulses on the base of hybrid laser systems with wide-aperture gas laser amplifiers. , 2007, , .		0
167	Cryogenic sealed-off slab CO laser excited by repetitively pulsed RF discharge. Proceedings of SPIE, 2007, , .	0.8	О
168	Gain dynamics in a pulsed laser amplifier on CO–He, CO–N2and CO–O2gas mixtures. Quantum Electronics, 2007, 37, 111-117.	0.3	14
169	A pulsed overtone CO laser with efficiency of 16%. Quantum Electronics, 2006, 36, 1153-1154.	0.3	15
170	Compact sealed-off cryogenic slab RF discharge CO laser. , 2006, , .		4
171	Pulsed CO laser and laser amplifier operating on oxygen containing gas mixtures. , 2006, , .		О
172	Singlet delta oxygen production in self-sustained and non-self-sustained slab discharges. , 2006, 6101, 516.		2
173	<title>Supersonic overtone CO laser: research and development</title> . , 2006, 6263, 18.		Ο
174	Singlet delta oxygen production in a slab discharge in oxygen. , 2006, 6346, 975.		0
175	<title>Fundamental and overtone band lasing in RF discharge supersonic CO laser</title> . , 2006, 6053, 63.		Ο
176	Singlet delta oxygen in a slab discharge. , 2006, 6261, 344.		0
177	Singlet oxygen in the low-temperature plasma of an electron-beam-sustained discharge. Plasma Physics Reports, 2006, 32, 429-439.	0.3	5
178	Multiline laser probing of CO:He, CO:N2, and CO:O2 active media in a wide-aperture pulsed amplifier. Journal of Russian Laser Research, 2006, 27, 33-69.	0.3	22
179	Measurements of the thermodynamic parameters for CO laser gas mixtures excited by pulsed electron-beam sustained discharge. , 2005, , .		0
180	Singlet delta oxygen production in e-beam sustained discharge: theory and experiment. , 2005, 5777, 207.		3

#	Article	IF	CITATIONS
181	High-power supersonic CO laser on fundamental and overtone transitions. Quantum Electronics, 2005, 35, 1126-1130.	0.3	18
182	Gain dynamics in the active medium of a pulsed e-beam sustained discharge CO laser: theory and experiment. Quantum Electronics, 2005, 35, 1107-1112.	0.3	3
183	Time behavior of small-signal gain on high vibrational transitions for pulsed CO laser amplifier with gas mixtures CO:He, CO:N2, and CO:O2. , 2005, 5777, 418.		0
184	CO laser: advances in theory and experiment. , 2005, , .		1
185	Pulsed electron-beam-sustained discharge in oxygen-containing gas mixtures: electrical characteristics, spectroscopy,and singlet oxygen yield. Quantum Electronics, 2004, 34, 865-870.	0.3	9
186	Theoretical studies on kinetics of singlet oxygen in nonthermal plasma. , 2004, , .		5
187	<title>Small signal gain time behavior on high vibrational transitions (V>15) of pulsed CO laser
amplifier</title> . , 2004, 5479, 156.		Ο
188	Supersonic RF discharge CO laser operating in fundamental (Δ=1) and overtone (Δ=2) spectral bands. , 2004, , .		3
189	Electric properties, spectroscopy, and singlet delta oxygen yield of electron-beam sustained discharge in oxygen gas mixtures. , 2004, , .		1
190	Electron-beam sustained discharge in oxygen gas mixtures: singlet delta oxygen production for oxygen-iodine laser. , 2004, , .		2
191	The methods of singlet oxygen detection for DOIL program. , 2004, , .		5
192	Detection capabilities of different molecular lasers in infrared spectroscopic diagnostics of multicomponent gas mixtures. , 2003, , .		2
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