

Javier Rodríguez Vázquez De Aldana

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Near-Infrared All-Optical Switching Based on Nano/Micro Optical Structures in YVO ₄ Matrix: Embedded Plasmonic Nanoparticles and Laser-Written Waveguides. Advanced Photonics Research, 2021, 2, 2000064.	1.7	6
2	Femtosecond laser direct writing of depressed cladding waveguides in Nd:YAG with "ear-like" structures: fabrication and laser generation. Optics Express, 2021, 29, 4296.	1.7	24
3	Tm ³⁺ and Ho ³⁺ colasing in in-band pumped waveguides fabricated by femtosecond laser writing. Optics Letters, 2021, 46, 122.	1.7	7
4	Tapered depressed-cladding waveguide lasers modulated by Ag nanoparticles embedded in SiO ₂ . Results in Physics, 2021, 30, 104897.	2.0	3
5	Adjustable Pulsed Operation from Q-switching to CW Mode-locking in a Yb:KLuW Waveguide Laser. , 2021, , .		0
6	Ultrashort pulse propagation through depressed-cladding channel waveguides in YAG crystal: Spatio-temporal characterization. Optics and Laser Technology, 2020, 123, 105898.	2.2	5
7	Tunable violet radiation in a quasi-phase-matched periodically poled stoichiometric lithium tantalate waveguide by direct femtosecond laser writing. Results in Physics, 2020, 19, 103373.	2.0	8
8	Ultrafast Laser Inscription and $\lambda/4$ Laser Operation of Y-Branch Splitters in Monoclinic Crystals. Journal of Lightwave Technology, 2020, 38, 4374-4384.	2.7	7
9	Femtosecond-Laser-Written S-Curved Waveguide in Nd:YAP Crystal: Fabrication and Multi-Gigahertz Lasing. Journal of Lightwave Technology, 2020, 38, 6845-6852.	2.7	15
10	The Role of Thermal Accumulation on the Fabrication of Diffraction Gratings in Ophthalmic PHEMA by Ultrashort Laser Direct Writing. Polymers, 2020, 12, 2965.	2.0	8
11	Watt-level ultrafast laser inscribed thulium waveguide lasers. Progress in Quantum Electronics, 2020, 72, 100266.	3.5	14
12	Fabrication of Tapered Circular Depressed-Cladding Waveguides in Nd:YAG Crystal by Femtosecond-Laser Direct Inscription. Micromachines, 2020, 11, 10.	1.4	12
13	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
14	Low-loss fs-laser-written surface waveguide lasers at $>2\ \mu\text{m}$ in monoclinic Tm ³⁺ :MgWO ₄ . Optics Letters, 2020, 45, 4060.	1.7	4
15	Carbon nanotube Q-switched Yb:KLuW surface channel waveguide lasers. Optics Letters, 2020, 45, 216.	1.7	15
16	Femtosecond laser direct inscription of 3D photonic devices in Er/Yb-doped oxyfluoride nano-glass ceramics. Optical Materials Express, 2020, 10, 2695.	1.6	4
17	Mid-infrared waveguiding in three-dimensional microstructured optical waveguides fabricated by femtosecond-laser writing and phosphoric acid etching. Photonics Research, 2020, 8, 257.	3.4	16
18	Transition of pulsed operation from Q-switching to continuous-wave mode-locking in a Yb:KLuW waveguide laser. Optics Express, 2020, 28, 18027.	1.7	14

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19	Direct Femtosecond Laser Writing of Optical Waveguides in Dielectrics. Springer Series in Materials Science, 2020, , 185-210.	0.4	2
20	Ultrafast Laser Inscribed Waveguide Lasers in Tm ³⁺ :SrF ₂ . , 2020, , .		0
21	Near-Infrared Femtosecond Direct Laser Written Waveguide Lasers [Invited]. , 2020, , .		0
22	Femtosecond Laser Writing of Optical Waveguides by Self-Induced Multiple Refocusing in LiTaO ₃ Crystal. Journal of Lightwave Technology, 2019, 37, 3452-3458.	2.7	18
23	Generation of Multi-Gigahertz Laser Pulses in Optical Lattice-Like Cladding Waveguides with PdSe ₂ as a New Saturable Absorber. , 2019, , .		2
24	Ultrafast Laser Inscription and Laser Operation of Y-Branch Splitters in Monoclinic Thulium-Doped Crystals. , 2019, , .		0
25	Femtosecond-Laser-Written Waveguide Lasers at $\lambda/2$ $\lambda/4$ m. , 2019, , .		0
26	Yb:KLuW Channel Waveguide Lasers Passively Q-Switched by Evanescent-Field Interaction with Carbon Nanotubes. , 2019, , .		1
27	Second harmonic generation of femtosecond laser written depressed cladding waveguides in periodically poled MgO:LiTaO ₃ crystal. Optics Express, 2019, 27, 2101.	1.7	19
28	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . Optics Express, 2019, 27, 8745.	1.7	20
29	Femtosecond laser direct writing of few-mode depressed-cladding waveguide lasers. Optics Express, 2019, 27, 30941.	1.7	26
30	Efficient quasi-phase-matching in fan-out PPSLT crystal waveguides by femtosecond laser direct writing. Optics Express, 2019, 27, 36875.	1.7	10
31	Femtosecond-laser-written Ho:KGd(WO ₄) ₂ waveguide laser at 21 μ m. Optics Letters, 2019, 44, 1738.	1.7	17
32	Watt-Level fs-Laser-Written Thulium Waveguide Lasers. , 2019, , .		0
33	Cladding waveguide splitters fabricated by femtosecond laser inscription in Ti:Sapphire crystal. Optics and Laser Technology, 2018, 103, 82-88.	2.2	23
34	Femtosecond laser irradiation on Nd:YAG crystal: Surface ablation and high-spatial-frequency nanograting. Applied Surface Science, 2018, 441, 372-380.	3.1	13
35	Implementation of nearly single-mode second harmonic generation by using a femtosecond laser written waveguiding structure in KTiOPO ₄ nonlinear crystal. Optical Materials, 2018, 84, 531-535.	1.7	3
36	Three-dimensional beam-splitting transitions and numerical modelling of direct-laser-written near-infrared LiNbO ₃ cladding waveguides. Optical Materials Express, 2018, 8, 1890.	1.6	17

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37	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at $\sim 2 \mu\text{m}$ in Monoclinic Tm:MgWO ₄ . , 2018, , .		0
38	Fs-laser-written erbium-doped double tungstate waveguide laser. Optics Express, 2018, 26, 30826.	1.7	9
39	Passively Q-switched femtosecond-laser-written thulium waveguide laser based on evanescent field interaction with carbon nanotubes. Photonics Research, 2018, 6, 971.	3.4	23
40	Femtosecond Laser Writing of Lithium Tantalate Crystals for Waveguide Fabrication. , 2018, , .		0
41	Passive Q-switching of femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers by graphene and MoS ₂ saturable absorbers. , 2018, , .		0
42	High resolution and wideband integrated optics infrared stationary-wave spectrometer fabricated by ultrafast laser inscription. , 2018, , .		0
43	Femtosecond-laser-written superficial cladding waveguides in Nd:CaF ₂ crystal. Optics and Laser Technology, 2017, 92, 163-167.	2.2	11
44	Ridge Waveguides and Y-Branch Beam Splitters in KTiOAsO ₄ Crystal by 15 MeV Oxygen Ion Implantation and Femtosecond Laser Ablation. Journal of Lightwave Technology, 2017, 35, 225-229.	2.7	20
45	Room-temperature subnanosecond waveguide lasers in Nd:YVO ₄ Q-switched by phase-change VO ₂ : A comparison with 2D materials. Scientific Reports, 2017, 7, 46162.	1.6	10
46	Depressed-Cladding 3-D Waveguide Arrays Fabricated With Femtosecond Laser Pulses. Journal of Lightwave Technology, 2017, 35, 2520-2525.	2.7	11
47	Low-loss optical waveguides in LiNbO_3 crystal fabricated by femtosecond-laser writing. Optical Materials, 2017, 73, 45-49.	1.7	8
48	Y-junctions based on circular depressed-cladding waveguides fabricated with femtosecond pulses in Nd:YAG crystal: A route to integrate complex photonic circuits in crystals. Optical Materials, 2017, 72, 220-225.	1.7	8
49	All-laser-micromachining of ridge waveguides in LiNbO ₃ crystal for mid-infrared band applications. Scientific Reports, 2017, 7, 7034.	1.6	25
50	Spontaneous micro-modification of single-layer graphene induced by femtosecond laser irradiation. Applied Physics Letters, 2017, 111, .	1.5	7
51	Low-loss 3D-laser-written mid-infrared LiNbO ₃ depressed-index cladding waveguides for both TE and TM polarizations. Optics Express, 2017, 25, 3722.	1.7	21
52	Q-switching of waveguide lasers based on graphene/WS ₂ van der Waals heterostructure. Photonics Research, 2017, 5, 406.	3.4	58
53	Cladding-like waveguide fabricated by cooperation of ultrafast laser writing and ion irradiation: characterization and laser generation. Optics Express, 2017, 25, 19603.	1.7	10
54	Optical-lattice-like waveguide structures in Ti:Sapphire by femtosecond laser inscription for beam splitting. Optical Materials Express, 2017, 7, 1942.	1.6	5

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55	Femtosecond-laser-written hexagonal cladding waveguide in Tm:KLu(WO ₄) ₂ : Raman study and laser operation. <i>Optical Materials Express</i> , 2017, 7, 4258.	1.6	22
56	Intracavity biosensor based on the Nd:YAG waveguide laser: tumor cells and dextrose solutions. <i>Photonics Research</i> , 2017, 5, 728.	3.4	5
57	Laser-writing of ring-shaped waveguides in BGO crystal for telecommunication band. <i>Optics Express</i> , 2017, 25, 24236.	1.7	16
58	Single-shot femtosecond laser ablation of wide-field irradiance patterns onto a silicon sample. , 2017, , .		0
59	Femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. <i>Optics Letters</i> , 2017, 42, 1169.	1.7	43
60	Two-photon luminescence thermometry: towards 3D high-resolution thermal imaging of waveguides. <i>Optics Express</i> , 2016, 24, 16156.	1.7	11
61	Femtosecond Laser Writing of Optical-Lattice-Like Cladding Structures for Three-Dimensional Waveguide Beam Splitters in LiNbO ₃ Crystal. <i>Journal of Lightwave Technology</i> , 2016, 34, 3587-3591.	2.7	28
62	Femtosecond laser written optical waveguides in z-cut MgO:LiNbO ₃ crystal: Fabrication and optical damage investigation. <i>Optical Materials</i> , 2016, 57, 169-173.	1.7	21
63	Passively Q-switched waveguide lasers based on two-dimensional transition metal diselenide. <i>Optics Express</i> , 2016, 24, 10385.	1.7	40
64	All-optical thermal microscopy of laser-excited waveguides. <i>Optics Letters</i> , 2016, 41, 2061.	1.7	1
65	Optical lattice-like cladding waveguides by direct laser writing: fabrication, luminescence, and lasing. <i>Optics Letters</i> , 2016, 41, 2169.	1.7	16
66	Femtosecond laser written waveguides with MoS ₂ as saturable absorber for passively Q-switched lasing. <i>Optical Materials Express</i> , 2016, 6, 367.	1.6	30
67	Recent results on photonic devices made by laser writing: 3D 3T near IR waveguides, mid-IR spectrometers and electro-optic beam combiners. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
68	Heuristic modelling of laser written mid-infrared LiNbO ₃ stressed-cladding waveguides. <i>Optics Express</i> , 2016, 24, 7777.	1.7	31
69	Efficient Second Harmonic Generation in 3D Nonlinear Optical-Lattice-Like Cladding Waveguide Splitters by Femtosecond Laser Inscription. <i>Scientific Reports</i> , 2016, 6, 22310.	1.6	23
70	Ti:Sapphire micro-structures by femtosecond laser inscription: Guiding and luminescence properties. <i>Optical Materials</i> , 2016, 58, 61-66.	1.7	8
71	Stress-induced waveguides in Nd:YAG by simultaneous double-beam irradiation with femtosecond pulses. <i>Optical Materials</i> , 2016, 51, 84-88.	1.7	3
72	Three-Dimensional Waveguide Splitters Inscribed in Nd:YAG by Femtosecond Laser Writing: Realization and Laser Emission. <i>Journal of Lightwave Technology</i> , 2016, 34, 1328-1332.	2.7	17

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73	Hybrid waveguiding structure in LiTaO ₃ crystal fabricated by direct femtosecond laser writing. Optical Materials, 2016, 51, 190-193.	1.7	11
74	Dynamic Control of Interference Effects Between Optical Filaments through Programmable Optical Phase Modulation. Journal of Display Technology, 2016, 12, 589-593.	1.3	0
75	Optical ridge waveguides in Er ³⁺ /Yb ³⁺ co-doped phosphate glass produced by ion irradiation combined with femtosecond laser ablation for guided-wave green and red upconversion emissions. Optical Materials, 2016, 51, 185-189.	1.7	22
76	Femtosecond Laser Inscribed Y-Branch Waveguide in Nd:YAG Crystal: Fabrication and Continuous-Wave Lasing. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 227-230.	1.9	17
77	Passively Q-switched Nd:YVO ₄ waveguide laser using graphene as a saturable absorber. Optical Materials, 2015, 46, 414-417.	1.7	12
78	3D laser-written silica glass step-index high-contrast waveguides for the 35-µm mid-infrared range. Optics Letters, 2015, 40, 5818.	1.7	17
79	Ultrafast direct laser writing of cladding waveguides in the 0.8CaSiO ₃ -0.2Ca ₃ (PO ₄) ₂ eutectic glass doped with Nd ³⁺ ions. Journal of Applied Physics, 2015, 117, .	1.1	16
80	Superficial waveguide splitters fabricated by femtosecond laser writing of LiTaO ₃ crystal. Optical Engineering, 2015, 54, 067113.	0.5	11
81	A novel micro-processing of waveguide coupler in birefringent crystal by twin tracks of single-scan femtosecond laser writing. , 2015, , .		1
82	Multianalytical characterization of Late Roman glasses including nanosecond and femtosecond laser induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2015, 30, 1590-1599.	1.6	21
83	Optical ridge waveguides in Yb:YAG laser crystal produced by combination of swift carbon ion irradiation and femtosecond laser ablation. Optics and Laser Technology, 2015, 72, 100-103.	2.2	14
84	Graphene-based Y-branch laser in femtosecond laser written Nd:YAG waveguides. Optics Express, 2015, 23, 9730.	1.7	32
85	Low-repetition rate femtosecond laser writing of optical waveguides in KTP crystals: analysis of anisotropic refractive index changes. Optics Express, 2015, 23, 15343.	1.7	22
86	Dual-line optical waveguides in Cu:KNSBN crystal fabricated by direct femtosecond laser writing. Optical Engineering, 2015, 54, 097106.	0.5	3
87	Three-dimensional femtosecond laser micromachining of dielectric crystals for photonic waveguiding applications. , 2015, , .		2
88	Three dimensional beam splitters and lasing based on Nd:YAG waveguides by femtosecond laser writing. , 2015, , .		0
89	Dual-wavelength waveguide lasers at 1064 and 1079-nm in Nd:YAP crystal by direct femtosecond laser writing. Optics Letters, 2015, 40, 2437.	1.7	34
90	Waveguiding microstructures in Nd:YAG with cladding and inner dual-line configuration produced by femtosecond laser inscription. Optical Materials, 2015, 39, 125-129.	1.7	13

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91	QUASI-Three-Level Laser Emissions of Neodymium-Doped Disordered Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 390-394.	1.9	1
92	Generation of Stationary On-Axis Optical Filaments by Means of Dammann Lenses. Springer Proceedings in Physics, 2015, , 774-778.	0.1	0
93	Efficient laser emission from cladding waveguide inscribed in Nd:GdVO ₄ crystal by direct femtosecond laser writing. Optics Letters, 2014, 39, 4553.	1.7	14
94	Efficient lasing in Nd:GdVO ₄ depressed cladding waveguides produced by femtosecond laser writing. , 2014, , .		1
95	Optical ridge waveguides in 4H-SiC single crystal produced by combination of carbon ion irradiation and femtosecond laser ablation. Optical Materials Express, 2014, 4, 1166.	1.6	6
96	Efficient lasing in continuous wave and graphene Q-switched regimes from Nd:YAG ridge waveguides produced by combination of swift heavy ion irradiation and femtosecond laser ablation. Optics Express, 2014, 22, 12900.	1.7	27
97	Three-dimensional dielectric crystalline waveguide beam splitters in mid-infrared band by direct femtosecond laser writing. Optics Express, 2014, 22, 31293.	1.7	36
98	Femtosecond laser-written double-cladding waveguides in Nd:GdVO ₄ crystal: Raman analysis, guidance, and lasing. Optical Engineering, 2014, 53, 097105.	0.5	6
99	Femtosecond laser-written lithium niobate waveguide laser operating at 1085Ånm. Optical Engineering, 2014, 53, 107109.	0.5	48
100	Ultrafast laser inscribed cladding waveguides in Nd:YAG crystal for mid-infrared wavelength. Optics and Laser Technology, 2014, 56, 382-386.	2.2	9
101	Formation of polycrystalline TiO ₂ on the ablated surfaces of RbTiOPO ₄ single crystals by thermal annealing. CrystEngComm, 2014, 16, 4281-4288.	1.3	2
102	Controlled Multibeam Supercontinuum Generation With a Spatial Light Modulator. IEEE Photonics Technology Letters, 2014, 26, 1661-1664.	1.3	12
103	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y ₃ ScAl ₄ O ₁₂ Ceramics. Journal of Physical Chemistry C, 2014, 118, 13781-13789.	1.5	7
104	Optical waveguides in LiTaO ₃ crystals fabricated by swift C ⁵⁺ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2014, 325, 43-46.	0.6	12
105	Continuous-wave lasing at 1.061¼m in femtosecond laser written Nd:KGW waveguides. Optical Materials, 2014, 37, 93-96.	1.7	14
106	Optical waveguides in crystalline dielectric materials produced by femtosecond laser micromachining. Laser and Photonics Reviews, 2014, 8, 251-275.	4.4	530
107	Monolithic crystalline cladding microstructures for efficient light guiding and beam manipulation in passive and active regimes. Scientific Reports, 2014, 4, 5988.	1.6	46
108	Graphene Q-switched laser operation in Nd:YVO ₄ cladding waveguides produced by femtosecond laser writing. , 2014, , .		1

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109	Buried waveguides in Nd:YLF crystals obtained by femtosecond laser writing under double line approach. Applied Physics A: Materials Science and Processing, 2013, 110, 595-599.	1.1	10
110	Comparative study of ornamental granite cleaning using femtosecond and nanosecond pulsed lasers. Applied Surface Science, 2013, 278, 226-233.	3.1	31
111	Enhanced Second Harmonic Generation in Femtosecond Laser Inscribed Double-Cladding Waveguide of Nd:GdCOB Crystal. Journal of Lightwave Technology, 2013, 31, 3873-3878.	2.7	3
112	Femtosecond laser micromachined ridge waveguide lasers in Nd:YAG ceramics. Optical Materials, 2013, 36, 228-231.	1.7	12
113	Stress-induced buried waveguides in the $0.8\text{CaSiO}_3\text{-}0.2\text{Ca}_3(\text{PO}_4)_2$ eutectic glass doped with Nd^{3+} ions. Applied Surface Science, 2013, 278, 289-294.	3.1	15
114	Assessment of femtosecond laser induced periodic surface structures on polymer films. Physical Chemistry Chemical Physics, 2013, 15, 11287.	1.3	95
115	Femtosecond laser micromachining of lithium niobate depressed cladding waveguides. Optical Materials Express, 2013, 3, 1378.	1.6	48
116	On-axis Dammann lenses and femtosecond pulses: triggering non-linear effects. Proceedings of SPIE, 2013, , .	0.8	0
117	Femtosecond-laser micromachined optical waveguides in $\text{Bi}_{4-x}\text{Ge}_x\text{O}_{12}$ crystals. Applied Optics, 2013, 52, 3713.	0.9	17
118	Femtosecond filamentation in sapphire with diffractive lenses. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2059.	0.9	13
119	On-axis non-linear effects with programmable Dammann lenses under femtosecond illumination. Optics Letters, 2013, 38, 1621.	1.7	11
120	Femtosecond-laser inscribed double-cladding waveguides in Nd:YAG crystal: a promising prototype for integrated lasers. Optics Letters, 2013, 38, 3294.	1.7	21
121	Channel waveguide lasers in Nd:LGS crystals. Optics Express, 2013, 21, 6503.	1.7	16
122	Q-switched pulse laser generation from double-cladding Nd:YAG ceramics waveguides. Optics Express, 2013, 21, 18963.	1.7	18
123	Tri-wavelength laser generation based on neodymium doped disordered crystal waveguide. Optics Express, 2013, 21, 22263.	1.7	10
124	Second harmonic generation of violet light in femtosecond-laser-inscribed BiB_3O_6 cladding waveguides. Optical Materials Express, 2013, 3, 1279.	1.6	10
125	Continuous wave laser operation in Nd:GGG depressed tubular cladding waveguides produced by inscription of femtosecond laser pulses. Optical Materials Express, 2013, 3, 278.	1.6	16
126	Mid-infrared waveguides in zinc sulfide crystal. Optical Materials Express, 2013, 3, 466.	1.6	22

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127	Efficient waveguide lasers in femtosecond laser inscribed double-cladding waveguides of Yb:YAG ceramics. <i>Optical Materials Express</i> , 2013, 3, 645.	1.6	15
128	Near-infrared lasers and self-frequency-doubling in Nd:YCOB cladding waveguides. <i>Optics Express</i> , 2013, 21, 11562.	1.7	16
129	Generation of on-axis optical filaments by means of Dammann lenses. , 2013, , .		0
130	Generation of spectrally shaped UV-vis supercontinuum femtosecond pulses by means of diffractive lenses. , 2013, , .		0
131	Femtosecond laser micromachined optical waveguides in LiTaO ₃ crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1014-1017.	1.2	5
132	Simultaneous generation of violet, blue, and green lasers using Nd:YAl ₃ (BO ₃) ₄ channel waveguides under pumping at 815 nm. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1018-1021.	1.2	3
133	Second Harmonic Generation of Violet Light in Femtosecond-Laser-Inscribed BiB ₃ O ₆ Cladding Waveguides. <i>MATEC Web of Conferences</i> , 2013, 8, 06011.	0.1	0
134	Continuous wave ridge waveguide lasers in femtosecond laser micromachined ion irradiated Nd:YAG single crystals. <i>Optical Materials Express</i> , 2012, 2, 657.	1.6	26
135	Femtosecond-Laser-Inscribed BiB ₃ O ₆ Nonlinear Cladding Waveguide for Second-Harmonic Generation. <i>Applied Physics Express</i> , 2012, 5, 072701.	1.1	29
136	Efficient continuous-wave laser operation at 1064 nm in Nd:YVO ₄ cladding waveguides produced by femtosecond laser inscription. <i>Optics Express</i> , 2012, 20, 16801.	1.7	30
137	Ridge waveguide lasers in Nd:GGG crystals produced by swift carbon ion irradiation and femtosecond laser ablation. <i>Optics Express</i> , 2012, 20, 9763.	1.7	36
138	Femtosecond laser inscribed cladding waveguides in Nd:YAG ceramics: Fabrication, fluorescence imaging and laser performance. <i>Optics Express</i> , 2012, 20, 18620.	1.7	82
139	Effect of ultrashort laser microstructuring of enamel and dentin surfaces on bond strengths in orthodontics and conservative dentistry. <i>Photonics & Lasers in Medicine</i> , 2012, 1, .	0.3	2
140	Femtosecond evolution of the pyrrole molecule excited in the near part of its UV spectrum. <i>Journal of Chemical Physics</i> , 2012, 137, 064317.	1.2	39
141	Role of the longitudinal piston error in a tiled-grating compressor in second and high-order harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , 2012, 108, 773-777.	1.1	3
142	Femtosecond laser micromachining of Nd:GdCOB ridge waveguides for second harmonic generation. <i>Optical Materials</i> , 2012, 34, 1913-1916.	1.7	18
143	Efficient second harmonic generation by birefringent phase matching in femtosecond laser inscribed KTP cladding waveguides. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 306-308.	1.2	35
144	Ultraviolet and infrared femtosecond laser induced periodic surface structures on thin polymer films. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	71

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145	Ultrafast lasers: A new frontier for optical materials processing. <i>Optical Materials</i> , 2012, 34, 572-578.	1.7	15
146	UV laser removal of varnish on tempera paints with nanosecond and femtosecond pulses. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4625.	1.3	27
147	Diffraction optics for spectral tuning of second harmonic and supercontinuum generated in nonlinear crystals. , 2011, , .		0
148	Simultaneous dual-wavelength lasers at 1064 and 1342 nm in femtosecond-laser-written Nd:YVO ₄ channel waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1607.	0.9	24
149	Femtosecond infrared intrastromal ablation and backscattering-mode adaptive-optics multiphoton microscopy in chicken corneas. <i>Biomedical Optics Express</i> , 2011, 2, 2950.	1.5	12
150	Diffraction optics for spectral control of the supercontinuum generated in sapphire with femtosecond pulses. <i>Optics Express</i> , 2011, 19, 4977.	1.7	26
151	Channel waveguide lasers in Nd:GGG crystals fabricated by femtosecond laser inscription. <i>Optics Express</i> , 2011, 19, 12503.	1.7	48
152	Wavefront retrieval of amplified femtosecond beams by second-harmonic generation. <i>Optics Express</i> , 2011, 19, 22851.	1.7	10
153	Femtosecond laser writing of multifunctional optical waveguides in a Nd:YVO ₄ +KTP hybrid system. <i>Optics Letters</i> , 2011, 36, 975.	1.7	19
154	Surface ablation of RbTiOPO ₄ by femtosecond laser. <i>Optical Materials</i> , 2011, 34, 207-214.	1.7	8
155	Channel waveguides preserving luminescence features in Nd ³⁺ :Y ₂ O ₃ ceramics produced by ultrafast laser inscription. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 184-186.	1.2	8
156	Ultrafast laser writing of optical waveguides in ceramic Yb:YAG: a study of thermal and non-thermal regimes. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 301-309.	1.1	47
157	Self-frequency-doubling of ultrafast laser inscribed neodymium doped yttrium aluminum borate waveguides. <i>Applied Physics Letters</i> , 2011, 98, 181103.	1.5	25
158	Fabrication of photonic structures in crystals of the KTiOPO ₄ family by ultrafast laser ablation. <i>Physics Procedia</i> , 2010, 8, 126-135.	1.2	1
159	Continuous wave laser generation at 1064 nm in femtosecond laser inscribed Nd:YVO ₄ channel waveguides. <i>Applied Physics Letters</i> , 2010, 97, 031119.	1.5	49
160	Analysis of linear and nonlinear optical properties of diffraction gratings inscribed on the surface of single crystals of the KTiOPO ₄ family. , 2010, , .		0
161	Single-mode mid-infrared waveguides for spectro-interferometry applications. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
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