

Patrick Georges

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

384
papers

8,866
citations

49
h-index

73
g-index

560
ext. papers

10,721
ext. citations

2.7
avg, IF

5.66
L-index

#	Paper	IF	Citations
384	Nonlinear Optics in Multipass Cells. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100220	8.3	9
383	Generation of optically synchronized pump-signal beams for ultrafast OPCPA via the optical Kerr effect. <i>Optics Letters</i> , 2021 , 46, 2035-2038	3	
382	Simple carrier-envelope phase control and stabilization scheme for difference frequency generation-based systems. <i>Optics Express</i> , 2021 , 29, 16261-16269	3.3	2
381	LED-pumped femtosecond Cr:LiSAF regenerative amplifier system. <i>Optics Letters</i> , 2021 , 46, 2421-2424	3	3
380	Enhanced extreme ultraviolet high-harmonic generation from chromium-doped magnesium oxide. <i>Applied Physics Letters</i> , 2021 , 118, 201103	3.4	4
379	Efficient and high-throughput ablation of platinum using high-repetition rate radially and azimuthally polarized sub-picosecond laser pulses. <i>Optics Express</i> , 2021 , 29, 19551-19565	3.3	1
378	Harnessing subcellular-resolved organ distribution of cationic copolymer-functionalized fluorescent nanodiamonds for optimal delivery of active siRNA to a xenografted tumor in mice. <i>Nanoscale</i> , 2021 , 13, 9280-9292	7.7	3
377	Nonlinear beam matching to gas-filled multipass cells. <i>OSA Continuum</i> , 2021 , 4, 732	1.4	4
376	3D luminescent concentrators. <i>Optics Express</i> , 2021 , 29, 6915-6926	3.3	3
375	Raman wavelength conversion in a multipass cell. <i>Optics Letters</i> , 2021 , 46, 3380-3383	3	3
374	Light recycling in LED-pumped Ce:YAG luminescent concentrators. <i>Optics Express</i> , 2021 , 29, 25302-25313	3.3	1
373	Low-index quantum-barrier single-pass tapered semiconductor optical amplifiers for efficient coherent beam combining. <i>Semiconductor Science and Technology</i> , 2020 , 35, 065018	1.8	1
372	Multipass cells: 1D numerical model and investigation of spatio-spectral couplings at high nonlinearity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 993	1.7	12
371	Hybrid pulse propagation model and quasi-phase-matched four-wave mixing in multipass cells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 2982	1.7	7
370	Comparison of multi-pass and regenerative strategies for energetic high-gain amplifiers based on Yb:CaF. <i>Optics Letters</i> , 2020 , 45, 4408-4411	3	3
369	Spectral compression in a multipass cell. <i>Optics Express</i> , 2020 , 28, 21571-21577	3.3	2
368	Visualizing music similarity: clustering and mapping 500 classical music composers. <i>Scientometrics</i> , 2019 , 120, 975-1003	3	4

367	Coherent combining of high brightness tapered amplifiers for efficient non-linear conversion. <i>Optics Express</i> , 2019 , 27, 928-937	3-3	8
366	High-power two-cycle ultrafast source based on hybrid nonlinear compression. <i>Optics Express</i> , 2019 , 27, 1958-1967	3-3	27
365	Enhancing brightness of Lambertian light sources with luminescent concentrators: the light extraction issue. <i>Optics Express</i> , 2019 , 27, 11830-11843	3-3	4
364	Tunable UV source based on an LED-pumped cavity-dumped Cr:LiSAF laser. <i>Optics Express</i> , 2019 , 27, 23446-23453	3-3	4
363	Coherent beam combining of high power quasi continuous wave tapered amplifiers. <i>Optics Express</i> , 2019 , 27, 27891-27901	3-3	4
362	CEP-stable high-energy ytterbium-doped fiber amplifier. <i>Optics Letters</i> , 2019 , 44, 3909-3912	3	9
361	Soliton Compression in a Multipass Cell 2019 ,		1
360	New LED-based high-brightness incoherent light source in the SWIR. <i>Optics Express</i> , 2018 , 26, 9353-9362	3,3	4
359	Nonlinear pulse compression based on a gas-filled multipass cell. <i>Optics Letters</i> , 2018 , 43, 2252-2255	3	47
358	High Power Ultrashort Amplifiers Based on Yb Doped Single Crystal Fibers 2018 ,		1
357	Coherent combining of high brightness tapered lasers in master oscillator power amplifier configuration 2018 ,		1
356	Simulation and experimental investigation of beam distortions in end-pumped laser rod amplifiers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 3004	1-7	7
355	Self-compression in a multipass cell. <i>Optics Letters</i> , 2018 , 43, 5643-5646	3	15
354	Light-emitting diodes: a new paradigm for Ti:sapphire pumping. <i>Optica</i> , 2018 , 5, 1236	8.6	14
353	Thermally-induced-anisotropy issues in oriented cubic laser crystals, the cryogenically cooled Yb:CaF ₂ case. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1-9	3
352	Spatio-spectral structures in high harmonic generation driven by tightly focused high repetition rate lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, A6	1-7	6
351	LED-pumped passively Q-switched Cr:LiSAF laser. <i>Optics Letters</i> , 2018 , 43, 4489-4492	3	6
350	Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. <i>Light: Science and Applications</i> , 2018 , 7, 12	16.7	52

349	Coherent beam combining architectures for high power tapered laser arrays 2017 ,		4
348	High-power single-stage single-crystal Yb:YAG fiber amplifier for radially polarized ultrashort laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2017 , 123, 1	1.9	8
347	High-radiance light sources with LED-pumped luminescent concentrators applied to pump Nd:YAG passively Q-switched laser. <i>Optics and Laser Technology</i> , 2017 , 96, 7-12	4.2	13
346	Design update and recent results of the Apollon 10 PW facility 2017 ,		7
345	Nonlinear temporal compression in multipass cells: theory. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1340	1.7	52
344	Alexandrite laser LED-pumped via Ce-doped luminescent concentrators 2017 ,		1
343	High-contrast 10 fs OPCPA-based front end for multi-PW laser chains. <i>Optics Letters</i> , 2017 , 42, 3530-3533		31
342	LED-pumped alexandrite laser oscillator and amplifier. <i>Optics Letters</i> , 2017 , 42, 4191-4194	3	21
341	Western classical music development: a statistical analysis of composers similarity, differentiation and evolution. <i>Scientometrics</i> , 2017 , 112, 21-53	3	4
340	Coherent combining architectures for high-brightness laser diodes 2017 ,		2
339	High-energy few-cycle Yb-doped fiber amplifier source based on a single nonlinear compression stage. <i>Optics Express</i> , 2017 , 25, 7530-7537	3.3	32
338	Contradiction within wave optics and its solution within a particle picture: comment. <i>Optics Express</i> , 2016 , 24, 2106-7	3.3	1
337	Supercontinuum-seeded few-cycle mid-infrared OPCPA system. <i>Optics Express</i> , 2016 , 24, 26494-26502	3.3	38
336	The Apollon 10 PW laser: experimental and theoretical investigation of the temporal characteristics. <i>High Power Laser Science and Engineering</i> , 2016 , 4,	4.3	109
335	High-power operation of coherently coupled tapered laser diodes in an external cavity 2016 ,		2
334	10 μ m ultrashort sub-100 fs FCPA synthesizer 2016 ,		1
333	Rear-side resonator architecture for the passive coherent combining of high-brightness laser diodes. <i>Optics Letters</i> , 2016 , 41, 950-3	3	6
332	Coherent combining efficiency in strongly saturated divided-pulse amplification systems. <i>Optics Express</i> , 2016 , 24, 25329-25336	3.3	3

331	Coherent combination of ultrafast fiber amplifiers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 062004	1.3	18
330	Yb:YAG single-crystal fiber amplifiers for picosecond lasers using the divided pulse amplification technique. <i>Optics Letters</i> , 2016 , 41, 1628-31	3	24
329	Simple Yb:YAG femtosecond booster amplifier using divided-pulse amplification. <i>Optics Express</i> , 2016 , 24, 9896-904	3.3	12
328	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. <i>Optica</i> , 2016 , 3, 465	8.6	28
327	Design and current progress of the Apollon 10 PW project. <i>High Power Laser Science and Engineering</i> , 2015 , 3,	4.3	99
326	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers 2015 ,		1
325	Single crystal fiber for laser sources 2015 ,		7
324	High-energy chirped- and divided-pulse Sagnac femtosecond fiber amplifier. <i>Optics Letters</i> , 2015 , 40, 89-92	3	22
323	Spectral and spatial full-bandwidth correlation analysis of bulk-generated supercontinuum in the mid-infrared. <i>Optics Letters</i> , 2015 , 40, 673-6	3	14
322	Coherent beam combining with an ultrafast multicore Yb-doped fiber amplifier. <i>Optics Express</i> , 2015 , 23, 5406-16	3.3	38
321	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. <i>Optics Letters</i> , 2015 , 40, 2517-20	3	49
320	Nonlinear compression of high energy fiber amplifier pulses in air-filled hypocycloid-core Kagome fiber. <i>Optics Express</i> , 2015 , 23, 7416-23	3.3	22
319	Laser performance of diode-pumped Yb:CaF ₂ optical ceramics synthesized using an energy-efficient process. <i>Optica</i> , 2015 , 2, 288	8.6	38
318	High average power 600 nm ultrafast fiber laser for micromachining application. <i>Journal of Laser Applications</i> , 2015 , 27, S29301	2.1	5
317	Impact of BaB ₂ O ₄ growth method on frequency conversion to the deep ultra-violet. <i>Solid State Sciences</i> , 2015 , 50, 97-100	3.4	3
316	High Repetition Rate Yb:CaF ₂ Multipass Amplifiers Operating in the 100-mJ Range. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 464-474	3.8	13
315	Numerical and Experimental Analysis of Nonlinear Regenerative Amplifiers Overcoming the Gain Bandwidth Limitation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 212-219	3.8	13
314	Separate phase-locking and coherent combining of two laser diodes in a Michelson cavity 2015 ,		1

313	Statistical tests for related records search results. <i>Scientometrics</i> , 2015 , 105, 1665-1677	3	4
312	Spectral pulse synthesis in large-scale ultrafast coherent combining systems. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 2545-2549	2.3	1
311	Hybrid high-energy high-power pulsewidth-tunable picosecond source. <i>Optics Letters</i> , 2015 , 40, 5184-7	3	5
310	Similarity Indices for 500 Classical Music Composers: Inferences From Personal Musical Influences and Ecological Measures. <i>Empirical Studies of the Arts</i> , 2015 , 33, 61-94	1	3
309	A 265W and 782 fs amplified radially polarized beam emitted by a thin-disk multipass amplifier 2015 ,		3
308	Single-stage Yb:YAG booster amplifier producing 2.3 mJ, 520 fs pulses at 10 kHz 2015 ,		3
307	Analysis of Limitations in Divided-Pulse Nonlinear Compression and Amplification. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 619-623	3.8	12
306	Yb:CaF ₂ thin-disk laser. <i>Optics Express</i> , 2014 , 22, 1524-32	3.3	21
305	. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3817-3823	4	21
304	Diode-pumped Yb:CaF ₂ multipass amplifier producing 50 mJ with dynamic analysis for high repetition rate operation. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 117, 597-603	1.9	8
303	Diode-pumped laser demonstration with Yb:CaF ₂ nanopowder-based ceramics 2014 ,		1
302	Direct amplification of a nanosecond laser diode in a high gain diode-pumped Nd:YVO ₄ amplifier. <i>Optics Letters</i> , 2014 , 39, 997-1000	3	12
301	Revisiting of LED pumped bulk laser: first demonstration of Nd:YVO ₄ /LED pumped laser. <i>Optics Letters</i> , 2014 , 39, 6731-4	3	17
300	Thermo-optic characterization of Yb:CaGdAlO ₄ laser crystal. <i>Optical Materials Express</i> , 2014 , 4, 2241	2.6	45
299	Generation of 150-fs pulses from a diode-pumped Yb:KYW nonlinear regenerative amplifier. <i>Optics Express</i> , 2014 , 22, 9414-9	3.3	4
298	Single YVO ₄ :Eu nanoparticle emission spectra using direct Eu ³⁺ ion excitation with a sum-frequency 465-nm solid-state laser. <i>Optics Express</i> , 2014 , 22, 20542-50	3.3	8
297	Mechanical phase matching of birefringent non-linear crystals. <i>Optics Express</i> , 2014 , 22, 23315-23	3.3	3
296	32-fs Kerr-lens mode-locked Yb:CaGdAlO ₄ oscillator optically pumped by a bright fiber laser. <i>Optics Letters</i> , 2014 , 39, 6001-4	3	94

295	Passively Q-switched Er:YAG laser operating at 1617 nm at low pump power level. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 3131	1.7	
294	Deep-UV 236.5 nm laser by fourth-harmonic generation of a single-crystal fiber Nd:YAG oscillator. <i>Optics Letters</i> , 2014 , 39, 2236-9	3	7
293	1617 nm emission control of an Er:YAG laser by a corrugated single-layer resonant grating mirror. <i>Optics Letters</i> , 2014 , 39, 466-9	3	8
292	Composer Similarities through The Classical Music Navigator—Similarity Inference from Composer Influences. <i>Empirical Studies of the Arts</i> , 2014 , 32, 205-229	1	6
291	Comment on Dual-wavelength Q-switched Er:YAG laser around 1.6 μ m for methane differential absorption lidar— <i>Laser Physics Letters</i> , 2014 , 11, 048001	1.5	2
290	Apollon-10P Facility. <i>The Review of Laser Engineering</i> , 2014 , 42, 127	0	4
289	Energy-scalable temporal cleaning device for femtosecond laser pulses based on cross-polarized wave generation. <i>Review of Scientific Instruments</i> , 2013 , 84, 043106	1.7	22
288	Study on the influence of repetition rate and pulse duration on ablation efficiency using a new generation of high power ytterbium doped fiber ultrafast laser 2013 ,		5
287	Megawatt peak power, 1 kHz, 266 nm sub nanosecond laser source based on single-crystal fiber amplifier. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 573-576	1.9	7
286	Third harmonic generation at 343nm in nonlinear Ca ₅ (BO ₃) ₃ F (CBF) crystals. <i>Optical Materials Express</i> , 2013 , 3, 1798	2.6	2
285	Pure and Yb ³⁺ doped fluorites (Ca, Sr, Ba)F ₂ : A renewal for the future high intensity laser chains. <i>Journal of Luminescence</i> , 2013 , 133, 276-281	3.8	19
284	Diode pumped Er:YAG single crystal fiber laser passively Q-switched with Cr:ZnSe saturable absorber emitting at 1645 nm or 1617 nm 2013 ,		1
283	The BRIDLE project: High brilliance diode lasers for industrial applications 2013 ,		1
282	Laser demonstration with highly doped Yb:Gd ₂ O ₃ and Yb:Y ₂ O ₃ crystals grown by an original flux method. <i>Optics Letters</i> , 2013 , 38, 4146-9	3	19
281	Compact, simple, and robust cross polarized wave generation source of few-cycle, high-contrast pulses for seeding petawatt-class laser systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2607	1.7	13
280	Hybrid master oscillator power amplifier high-power narrow-linewidth nanosecond laser source at 257 nm. <i>Optics Letters</i> , 2013 , 38, 995-7	3	19
279	3 W, 300 μ s, 25 ns pulsed 473 nm blue laser based on actively Q-switched Nd:YAG single-crystal fiber oscillator at 946 nm. <i>Optics Letters</i> , 2013 , 38, 3013-6	3	20
278	Passively Q-switched diode-pumped Er:YAG solid-state laser. <i>Optics Letters</i> , 2013 , 38, 938-40	3	40

277	High-brightness fiber laser-pumped 68 fs-2.3 W Kerr-lens mode-locked Yb:CaF ₂ oscillator. <i>Optics Letters</i> , 2013 , 38, 4008-10	3	49
276	Amplification of cylindrically polarized laser beams in single crystal fiber amplifiers. <i>Optics Express</i> , 2013 , 21, 11376-81	3.3	17
275	Yb:YAG single crystal fiber power amplifier for femtosecond sources. <i>Optics Letters</i> , 2013 , 38, 109-11	3	59
274	Energy scaling of a nonlinear compression setup using passive coherent combining. <i>Optics Letters</i> , 2013 , 38, 4437-40	3	26
273	Two-channel pulse synthesis to overcome gain narrowing in femtosecond fiber amplifiers. <i>Optics Letters</i> , 2013 , 38, 5430-3	3	10
272	Magic mode switching in Yb:CaGdAlO ₄ laser under high pump power. <i>Optics Letters</i> , 2013 , 38, 4138-41	3	30
271	Sub-100-fs Yb:CALGO nonlinear regenerative amplifier. <i>Optics Letters</i> , 2013 , 38, 5180-3	3	22
270	Coherent Beam Combining in the Femtosecond Regime 2013 , 277-301		3
269	Femtosecond fiber chirped- and divided-pulse amplification system. <i>Optics Letters</i> , 2013 , 38, 106-8	3	61
268	Parameters of influence in surface ablation of metals with using a high power tunable ultrafast laser 2013 ,		1
267	Investigation on repetition rate and pulse duration influences on ablation efficiency of metals using a high average power Yb-doped ultrafast laser. <i>MATEC Web of Conferences</i> , 2013 , 8, 04010	0.3	
266	Second harmonic generation at 515 nm in RTP with temperature insensitive and non-critical phase-matching 2013 ,		1
265	High power Yb:CALGO thin-disk lasers in cw and fs regime 2013 ,		1
264	Coherent Dual-Frequency Emission of a Vertical External-Cavity Semiconductor Laser at the Cesium D_{2} Line. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1218-1220	2.2	13
263	Nouvel outil pour la chirurgie du glaucome assistè par laser femtoseconde et tomographie de cohérence optique. <i>Irbm</i> , 2012 , 33, 42-47	4.8	
262	Oxide crystal-fibers grown by micro-pulling-down technique and applications for lasers and scintillators 2012 ,		2
261	250 W single crystal fiber Yb:YAG laser 2012 ,		3
260	Diode-pumped regenerative Yb:SrF ₂ amplifier. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 823-827	1.9	6

259	Impact of spectral phase mismatch on femtosecond coherent beam combining systems. <i>Optics Letters</i> , 2012 , 37, 650-2	3	10
258	Apollon-10P: Status and implementation 2012 ,		28
257	Complete measurement of fiber modal content by wavefront analysis. <i>Optics Express</i> , 2012 , 20, 4074-84	3.3	31
256	Passive coherent combination of two ultrafast rod type fiber chirped pulse amplifiers. <i>Optics Letters</i> , 2012 , 37, 1460-2	3	28
255	Femtosecond Yb:CaGdAlO ₄ thin-disk oscillator. <i>Optics Letters</i> , 2012 , 37, 3984-6	3	55
254	Design of a high gain single stage and single pass Nd:YVO ₄ passive picosecond amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 2339	1.7	21
253	High peak-power stretcher-free femtosecond fiber amplifier using passive spatio-temporal coherent combining. <i>Optics Express</i> , 2012 , 20, 21627-34	3.3	28
252	250 W single-crystal fiber Yb:YAG laser. <i>Optics Letters</i> , 2012 , 37, 2898-900	3	53
251	Resonant diode-pumping of Er:YAG single crystal fiber operating at 1617 nm 2012 ,		5
250	Evaluation of the single-frequency operation of a short vertical external-cavity semiconductor laser at 852 nm 2012 ,		2
249	Characteristics of laser operation at 1064 nm in Nd:YVO ₄ under diode pumping at 808 and 914 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 52	1.7	37
248	Line competition in an intracavity diode-pumped Yb:KYW laser operating at 981nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 115	1.7	9
247	Temperature dependence of the emission cross section of Nd:YVO ₄ around 1064 nm and consequences on laser operation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 972	1.7	48
246	Volume Bragg grating external cavities for the passive phase locking of high-brightness diode laser arrays: theoretical and experimental study. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1289	1.7	9
245	Efficient cross polarized wave generation for compact, energy-scalable, ultrashort laser sources. <i>Optics Express</i> , 2011 , 19, 93-8	3.3	25
244	Nd:YAG single-crystal fiber as high peak power amplifier of pulses below one nanosecond. <i>Optics Express</i> , 2011 , 19, 11667-79	3.3	31
243	Coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. <i>Optics Letters</i> , 2011 , 36, 621-3	3	73
242	Direct amplification of ultrashort pulses in pulling-down Yb:YAG single crystal fibers. <i>Optics Letters</i> , 2011 , 36, 748-50	3	24

241	High-power diode-pumped cryogenically cooled Yb:CaF ₂ laser with extremely low quantum defect. <i>Optics Letters</i> , 2011 , 36, 1602-4	3	24
240	Temporal cleaning of a high-energy fiber-based ultrafast laser using cross-polarized wave generation. <i>Optics Letters</i> , 2011 , 36, 1830-2	3	9
239	Passive coherent beam combining of quantum-cascade lasers with a Dammann grating. <i>Optics Letters</i> , 2011 , 36, 3810-2	3	17
238	Broadband high-energy diode-pumped Yb:KYW multipass amplifier. <i>Optics Letters</i> , 2011 , 36, 3816-8	3	13
237	Passive coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. <i>Optics Letters</i> , 2011 , 36, 4023-5	3	30
236	Yb:CaGdAlO ₄ thin-disk laser. <i>Optics Letters</i> , 2011 , 36, 4134-6	3	23
235	On Yb:CaF ₂ and Yb:SrF ₂ : review of spectroscopic and thermal properties and their impact on femtosecond and high power laser performance [Invited]. <i>Optical Materials Express</i> , 2011 , 1, 489	2.6	103
234	High-power diode-pumped Er ³⁺ :YAG single-crystal fiber laser 2011 ,		2
233	High-fidelity front-end for high-power, high temporal quality few-cycle lasers. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 102, 769-774	1.9	21
232	High power femtosecond chirped pulse amplification in large mode area photonic bandgap Bragg fibers. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 615-621	1.9	4
231	34 W continuous wave Nd:YAG single crystal fiber laser emitting at 946 nm. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 104, 1-4	1.9	35
230	Low-wavelength emission of Nd-doped lasers. <i>Laser and Photonics Reviews</i> , 2011 , 5, n/a-n/a	8.3	2
229	New Materials for Short-Pulse Amplifiers. <i>IEEE Photonics Journal</i> , 2011 , 3, 268-273	1.8	23
228	De la lumière infrarouge pour guider les biopsies de la prostate. <i>Irbm</i> , 2011 , 32, 123-125	4.8	
227	Extreme light infrastructure: laser architecture and major challenges 2010 ,		33
226	Mid-Infrared Supercontinuum Generation in Lead-Bismuth-Gallium Oxide Glass Photonic Crystal Fiber 2010 ,		1
225	Motion artifact suppression in full-field optical coherence tomography. <i>Applied Optics</i> , 2010 , 49, 1480-8	0.2	28
224	Impact of self-phase modulation on coherently combined fiber chirped-pulse amplifiers. <i>Optics Letters</i> , 2010 , 35, 1293-5	3	9

223	Wavefront control of a multicore ytterbium-doped pulse fiber amplifier by digital holography. <i>Optics Letters</i> , 2010 , 35, 1428-30	3	11
222	Coherent beam superposition of ten diode lasers with a Damman grating. <i>Optics Letters</i> , 2010 , 35, 1515-7		14
221	Short-pulse and high-repetition-rate diode-pumped Yb:CaF ₂ regenerative amplifier. <i>Optics Letters</i> , 2010 , 35, 2415-7	3	36
220	Highly efficient, high-power, broadly tunable, cryogenically cooled and diode-pumped Yb:CaF ₂ . <i>Optics Letters</i> , 2010 , 35, 3757-9	3	35
219	High-energy femtosecond fiber laser at 1.6 microns for corneal surgery 2010 ,		3
218	Frequency conversion from near-infrared to mid-infrared in highly nonlinear optical fibres 2010 ,		2
217	Amplification of femtosecond pulses in large mode area Bragg fibers 2010 ,		1
216	Yb ³⁺ doped (Ca,Sr,Ba)F ₂ for high power laser applications. <i>Laser Physics</i> , 2010 , 20, 533-536	1.2	26
215	Ultrashort pulse laser surgery of the cornea and the sclera. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 084002	1.7	35
214	Greffes de corn�e automatis�es par laser femtoseconde optimis�es et syst�me de contr�le aberrom�trique. <i>Irbm</i> , 2010 , 31, 97-100	4.8	1
213	Er:YAG fiber-shaped laser crystals (single crystal fibers) grown by micro-pulling down: Characterization and laser operation. <i>Optical Materials</i> , 2010 , 32, 1251-1255	3.3	10
212	Photonic bandgap fibre oscillators and amplifiers. <i>Optical Fiber Technology</i> , 2010 , 16, 419-427	2.4	3
211	Diode-pumped laser with Yb:YAG single-crystal fiber grown by the micro-pulling down technique 2009 ,		1
210	Compensation of Gain Narrowing by Self-Phase Modulation in High-Energy Ultrafast Fiber Chirped-Pulse Amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 182-186	3.8	14
209	Design and Simulation of Next-Generation High-Power, High-Brightness Laser Diodes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , 15, 993-1008	3.8	37
208	Diode-pumped laser with Yb:YAG single-crystal fiber grown by the micro-pulling down technique. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 203-207	1.9	18
207	Tunable single-frequency operation of a diode-pumped vertical external-cavity laser at the cesium D ₂ line. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 315-321	1.9	15
206	High power laser operation with crystal fibers. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 97, 263-273	1.9	39

205	Yb-doped Lu ₃ Al ₅ O ₁₂ fibers single crystals grown under stationary stable state for laser application. <i>Journal of Crystal Growth</i> , 2009 , 312, 125-130	1.6	19
204	Characterizations of 0.4 and 1mm diameter Yb:YAG single-crystal fibers grown by the micro-pulling-down method for laser applications. <i>Journal of Crystal Growth</i> , 2009 , 311, 4805-4811	1.6	8
203	Low-repetition-rate femtosecond operation in extended-cavity mode-locked Yb:CALGO laser. <i>Optics Letters</i> , 2009 , 34, 196-8	3	23
202	Diode-pumped 99 fs Yb:CaF ₂ oscillator. <i>Optics Letters</i> , 2009 , 34, 1474-6	3	51
201	Microjoule femtosecond fiber laser at 1.6 microm for corneal surgery applications. <i>Optics Letters</i> , 2009 , 34, 1991-3	3	65
200	Highly efficient Nd:YVO ₄ laser by direct in-band diode pumping at 914 nm. <i>Optics Letters</i> , 2009 , 34, 2159-61	3	50
199	Mode-locked operation of a diode-pumped femtosecond Yb:SrF ₂ laser. <i>Optics Letters</i> , 2009 , 34, 2354-6	3	21
198	Nd:YAG laser diode-pumped directly into the emitting level at 938 nm. <i>Optics Express</i> , 2009 , 17, 10091-7	3.3	18
197	Distributed nonlinear fiber chirped-pulse amplifier system. <i>Optics Express</i> , 2009 , 17, 10835-40	3.3	14
196	Nonlinear compression in a rod-type fiber for high energy ultrashort pulse generation. <i>Optics Express</i> , 2009 , 17, 11155-60	3.3	12
195	Phase and amplitude control of a multimode LMA fiber beam by use of digital holography. <i>Optics Express</i> , 2009 , 17, 13000-8	3.3	21
194	Time-gated total internal reflection fluorescence microscopy with a supercontinuum excitation source. <i>Applied Optics</i> , 2009 , 48, 553-9	0.2	19
193	Diode-pumped Yb:KYW laser emitting at 981 nm by intracavity pumping 2009 ,		2
192	Narrow-line coherently combined tapered laser diodes in a Talbot external cavity with a volume Bragg grating. <i>Applied Physics Letters</i> , 2008 , 93, 211102	3.4	31
191	Stretcher-free high energy nonlinear amplification of femtosecond pulses in rod-type fibers. <i>Optics Letters</i> , 2008 , 33, 107-9	3	63
190	Diode-pumped Nd:YVO ₄ /Yb:S-FAP laser emitting at 985 and 492.5 nm. <i>Optics Letters</i> , 2008 , 33, 1234-6	3	12
189	Active spectral phase control by use of an acousto-optic programmable filter in high-repetition-rate sub-80 fs nonlinear fiber amplifiers. <i>Optics Letters</i> , 2008 , 33, 1431-3	3	9
188	1064 nm Nd:YVO ₄ laser intracavity pumped at 912 nm and sum-frequency mixing for an emission at 491 nm. <i>Optics Letters</i> , 2008 , 33, 1632-4	3	32

187	Continuous-wave laser at 440 nm based on frequency-doubled diode-pumped Nd:GdVO ₄ crystal. <i>Optics Letters</i> , 2008 , 33, 1957-9	3	18
186	Efficient versatile-repetition-rate picosecond source for material processing applications. <i>Applied Optics</i> , 2008 , 47, 967-74	1.7	12
185	Simple and general method to calculate the dispersion properties of complex and aberrated stretchers-compressors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 754	1.7	8
184	Thermal conductivity measurements of laser crystals by infrared thermography. Application to Nd:doped crystals. <i>Optics Express</i> , 2008 , 16, 8995-9010	3.3	43
183	Thermal behaviour of ytterbium-doped fluorite crystals under high power pumping. <i>Optics Express</i> , 2008 , 16, 10098-109	3.3	50
182	Picosecond polarized supercontinuum generation controlled by intermodal four-wave mixing for fluorescence lifetime imaging microscopy. <i>Optics Express</i> , 2008 , 16, 18844-9	3.3	8
181	Pulsed blue laser at 491 nm by nonlinear cavity dumping. <i>Optics Express</i> , 2008 , 16, 19419-26	3.3	6
180	Simultaneous dual-band ultra-high resolution full-field optical coherence tomography. <i>Optics Express</i> , 2008 , 16, 19434-46	3.3	52
179	High Energy, Single-Mode, Narrow-Linewidth Fiber Laser Source with Stimulated Brillouin Scattering Multimode to Single Mode Beam Converter. <i>Fiber and Integrated Optics</i> , 2008 , 27, 407-421	0.8	1
178	Direct Amplification of Femtosecond Pulses in Ytterbium-Doped Fiber Amplifiers. <i>Fiber and Integrated Optics</i> , 2008 , 27, 467-483	0.8	
177	High-power laser with Nd:YAG single-crystal fiber grown by micro-pulling down technique 2008 ,		2
176	Nonlinear optical properties of interconnected gold nanoparticles on silicon. <i>Journal of Applied Physics</i> , 2008 , 104, 124310	2.5	7
175	Diode pumping of Yb ³⁺ :CaGdAlO ₄ 2008 ,		1
174	First indirectly diode pumped Yb:SFAP laser, reaching the watt level at 985 nm 2008 ,		1
173	Design of a low-threshold VECSEL emitting at 852 nm for Cesium atomic clocks. <i>Optical and Quantum Electronics</i> , 2008 , 40, 167-173	2.4	7
172	Wavelength stabilization of extended-cavity tapered lasers with volume Bragg gratings. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 91, 493-498	1.9	13
171	Blue laser emission by intracavity second harmonic generation in Nd:ASL pumped by a tapered amplifier laser diode stabilized by a volume Bragg grating. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 92, 189-193	1.9	10
170	Detection of single photoluminescent diamond nanoparticles in cells and study of the internalization pathway. <i>Small</i> , 2008 , 4, 2236-9	11	179

169	First demonstration of laser emission from an Yb:YAG single crystal fiber grown by the micro-pulling down technique 2008 ,		1
168	Single-frequency tunable VECSEL around the cesium D 2 line 2008 ,		4
167	Review of photorefractive materials: an application to laser beam cleanup. <i>Comptes Rendus Physique</i> , 2007 , 8, 234-242	1.4	6
166	Single-frequency cw vertical external cavity surface emitting semiconductor laser at 1003 nm and 501 nm by intracavity frequency doubling. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 86, 503-510	1.9	31
165	New laser crystals for the generation of ultrashort pulses. <i>Comptes Rendus Physique</i> , 2007 , 8, 153-164	1.4	66
164	Long (1 1 1)-oriented Y3Al5O12:Nd3+ single crystal fibers grown by modified micro-pulling down technology for optical characterization and laser generation. <i>Optical Materials</i> , 2007 , 30, 82-84	3.3	11
163	Development of a TIRF-FLIM microscope for biomedical applications 2007 , 6630_10		1
162	Diode-pumped Nd:YAG laser emitting at 899 nm and below. <i>Optics Letters</i> , 2007 , 32, 799-801	3	25
161	Femtosecond laser Fourier transform absorption spectroscopy. <i>Optics Letters</i> , 2007 , 32, 1677-9	3	28
160	Continuous-wave and femtosecond laser operation of Yb:CaGdAlO4 under high-power diode pumping. <i>Optics Letters</i> , 2007 , 32, 1962-4	3	64
159	Visible supercontinuum generation controlled by intermodal four-wave mixing in microstructured fiber. <i>Optics Letters</i> , 2007 , 32, 2173-5	3	53
158	Generation of 63 fs 4.1 MW peak power pulses from a parabolic fiber amplifier operated beyond the gain bandwidth limit. <i>Optics Letters</i> , 2007 , 32, 2520-2	3	48
157	High energy, single-mode, narrow-linewidth fiber laser source using stimulated Brillouin scattering beam cleanup. <i>Optics Express</i> , 2007 , 15, 6464-9	3.3	31
156	Third-order spectral phase compensation in parabolic pulse compression. <i>Optics Express</i> , 2007 , 15, 9372-3	3.3	23
155	Three-dimensional time-resolved fluorescence imaging by multifocal multiphoton microscopy for a photosensitizer study in living cells. <i>Applied Optics</i> , 2007 , 46, 8045-51	1.7	10
154	On thermal effects in solid-state lasers: The case of ytterbium-doped materials. <i>Progress in Quantum Electronics</i> , 2006 , 30, 89-153	9.1	259
153	High power multimode fiber amplifier with wavefront reshaping for high beam quality recovery. <i>Comptes Rendus Physique</i> , 2006 , 7, 233-243	1.4	3
152	Generation of 47-fs pulses from a diode-pumped Yb3+:CaGdAlO 4 femtosecond laser 2006 , 6100, 139		

151	Quest of athermal solid state laser: case of Yb:CaGdAlO ₄ 2006 , 6190, 19		2
150	New Yb-doped crystals for high-power and ultrashort lasers 2006 ,		11
149	47-fs diode-pumped Yb ³⁺ :CaGdAlO ₄ laser. <i>Optics Letters</i> , 2006 , 31, 119-21	3	153
148	Diode-pumped passively mode-locked Nd:YVO ₄ laser at 914 nm. <i>Optics Letters</i> , 2006 , 31, 214-6	3	16
147	Efficient diode-pumped Yb ³⁺ :Y ₂ SiO ₅ and Yb ³⁺ :Lu ₂ SiO ₅ high-power femtosecond laser operation. <i>Optics Letters</i> , 2006 , 31, 1555-7	3	108
146	Nd:GdVO ₄ as a three-level laser at 879 nm. <i>Optics Letters</i> , 2006 , 31, 2731-3	3	45
145	High-power laser with Nd:YAG single-crystal fiber grown by the micro-pulling-down technique. <i>Optics Letters</i> , 2006 , 31, 3468-70	3	57
144	Fiber optical parametric chirped-pulse amplification in the femtosecond regime. <i>Optics Express</i> , 2006 , 14, 2783-90	3.3	29
143	Stable mode-locked operation of a low repetition rate diode-pumped Nd:GdVO ₄ laser by combining quadratic polarisation switching and a semiconductor saturable absorber mirror. <i>Optics Express</i> , 2006 , 14, 7093-8	3.3	7
142	Single-frequency high-power continuous-wave oscillation at 1003 nm of an optically pumped semiconductor laser 2006 , 6184, 575		2
141	Passively Q-switched diode-pumped Cr ⁴⁺ :YAG/Nd ³⁺ :GdVO ₄ monolithic microchip laser. <i>Optics Communications</i> , 2006 , 259, 816-819	2	41
140	Single-frequency operation of diode-pumped Yb:KYW at 1003.4 nm and 501.7 nm by intracavity second harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 85, 69-72	1.9	7
139	Numerical and experimental study of gain narrowing in ytterbium-based regenerative amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 415-425	2	35
138	Magnetization-induced second-harmonic generation of light by exchange-coupled magnetic layers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 119	1.7	4
137	Numerical modeling of a continuous-wave Yb-doped bulk crystal laser emitting on a three-level laser transition near 980 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 572	1.7	20
136	Blue-green single-frequency laser based on intracavity frequency doubling of a diode-pumped Ytterbium-doped laser. <i>Optics Express</i> , 2005 , 13, 2345-50	3.3	16
135	491 nm generation by sum-frequency mixing of diode pumped neodymium lasers. <i>Optics Express</i> , 2005 , 13, 5653-61	3.3	97
134	Frequency doubling of an efficient continuous wave single-mode Yb-doped fiber laser at 978 nm in a periodically-poled MgO:LiNbO ₃ waveguide. <i>Optics Express</i> , 2005 , 13, 6974-9	3.3	47

133	Fluorescence lifetime imaging with a low-repetition-rate passively mode-locked diode-pumped Nd:YVO4 oscillator. <i>Optics Letters</i> , 2005 , 30, 168-70	3	29
132	Diode-pumped continuous-wave and femtosecond laser operations of a heterocomposite crystal Yb3+: SrY4(SiO4)3O parallel Y2Al5O12. <i>Optics Letters</i> , 2005 , 30, 857-9	3	16
131	Spectral beam combining of a single-mode 980-nm laser array for pumping of erbium-doped fiber amplifiers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 738-740	2.2	7
130	Single-frequency operation at 1003.4 nm with Yb:YSO: toward the first diode-pumped solid state aquamarine (501.7 nm) laser 2005 ,		1
129	Diode-pumped cw and fs laser based on Yb:CaF 2 2005 , 5714, 186		1
128	Efficient laser action of Yb:LSO and Yb:YSO oxyorthosilicates crystals under high-power diode-pumping. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 80, 171-176	1.9	114
127	Z-scan measurements of the nonlinear refractive indices of novel Yb-doped laser crystal hosts. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 80, 199-201	1.9	51
126	High-resolution absolute temperature mapping of laser crystals in diode-end-pumped configuration 2005 ,		4
125	Crystal Chemistry Approach in Yb Doped Laser Materials. <i>Materials Science Forum</i> , 2005 , 494, 259-264	0.4	1
124	First diode-pumped Yb-doped solid-state laser continuously tunable between 1000 and 1010 nm. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 78, 13-18	1.9	32
123	Direct and absolute temperature mapping and heat transfer measurements in diode-end-pumped Yb:YAG. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 221-224	1.9	28
122	Optical and magneto-optical study of the Au/Co/Au/Cu multilayer grown on vicinal Si (111) surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 1620-1624		
121	Ca4REO(BO3)3 crystals for green and blue microchip laser generation: from crystal growth to laser and nonlinear optical properties. <i>Optical Materials</i> , 2004 , 26, 431-436	3.3	16
120	Spectrally narrowed amplified spontaneous emission source at 977 nm based on a single-mode ytterbium-doped fiber. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2021-2023	2.2	3
119	Yb3+-doped laser materials for high-power or ultrafast applications 2004 , 5460, 145		1
118	Pulse-compression down to 20 fs using a photonic crystal fiber seeded by a diode-pumped Yb:SYS laser at 1070 nm. <i>Optics Express</i> , 2004 , 12, 3383-96	3.3	20
117	Ultra-short-pulsed and highly-efficient diode-pumped Yb:SYS mode-locked oscillators. <i>Optics Express</i> , 2004 , 12, 5005-12	3.3	48
116	Doubled single-frequency Nd:YLF ring laser coupled to a passive nonresonant cavity. <i>Applied Optics</i> , 2004 , 43, 1773-6	1.7	5

115	Diffraction-limited polarized emission from a multimode ytterbium fiber amplifier after a nonlinear beam converter. <i>Optics Letters</i> , 2004 , 29, 989-91	3	15
114	High-power tunable diode-pumped Yb ³⁺ :CaF ₂ laser. <i>Optics Letters</i> , 2004 , 29, 1879-81	3	113
113	High-power diode-pumped Yb ³⁺ :CaF ₂ femtosecond laser. <i>Optics Letters</i> , 2004 , 29, 2767-9	3	144
112	Fluorescence-lifetime imaging with a multifocal two-photon microscope. <i>Optics Letters</i> , 2004 , 29, 2884-6	3	19
111	Thermal lensing in diode-pumped ytterbium Lasers-Part I: theoretical analysis and wavefront measurements. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1217-1234	2	88
110	Thermal lensing in diode-pumped ytterbium Lasers-Part II: evaluation of quantum efficiencies and thermo-optic coefficients. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 1235-1243	2	48
109	Theoretical and experimental investigations of a single-mode 976-nm Yb-doped fiber amplifier 2004 , 5460, 23		0
108	Fluorescence lifetime imaging with a multifocal two-photon microscope 2004 , 5323, 99		
107	High-power CW diode-pumped laser operation of Yb ³⁺ :CaF ₂ crystal 2004 , 5460, 83		1
106	Time-resolved multifocal multiphoton microscopy 2003 ,		2
105	Laser crystals for the production of ultra-short laser pulses. <i>Annales De Chimie: Science Des Materiaux</i> , 2003 , 28, 47-72	2.1	19
104	Efficient cw operation of diode-pumped Nd:YLF lasers at 1312.0 and 1322.6 nm for a silver atom optical clock. <i>Optics Communications</i> , 2003 , 217, 357-362	2	28
103	Picosecond laser source at 1 MHz with continuous tunability in the visible red band. <i>Optics Communications</i> , 2003 , 220, 187-192	2	11
102	Crystal growth, optical spectroscopy and laser experiments on new Yb ³⁺ -doped borates and silicates. <i>Optical Materials</i> , 2003 , 22, 81-83	3.3	6
101	Diode-pumped Yb:GGG laser: comparison with Yb:YAG. <i>Optical Materials</i> , 2003 , 22, 99-106	3.3	129
100	Thermal lensing measurements in diode-pumped Yb-doped GdCOB, YCOB, YSO, YAG and KGW. <i>Optical Materials</i> , 2003 , 22, 129-137	3.3	37
99	Mechanical, thermal and laser properties of Yb:(Sr _{1-x} Ca _x) ₃ Y(BO ₃) ₃ (Yb:CaBOYS) for 1 μm laser applications. <i>Optical Materials</i> , 2003 , 24, 385-392	3.3	13
98	Nd:YLF laser at 1.3 microm for calcium atom optical clocks and precision spectroscopy of hydrogenic systems. <i>Applied Optics</i> , 2003 , 42, 4867-70	1.7	11

97	Efficient laser operation of an Yb:S-FAP crystal at 985 nm. <i>Applied Optics</i> , 2003 , 42, 4883-6	1.7	6
96	Self-compression and Raman soliton generation in a photonic crystal fiber of 100-fs pulses produced by a diode-pumped Yb-doped oscillator. <i>Applied Optics</i> , 2003 , 42, 6768-70	1.7	11
95	Improvement of the spatial beam quality of laser sources with an intracavity Bragg grating. <i>Optics Letters</i> , 2003 , 28, 242-4	3	14
94	Passively mode-locked diode-pumped Nd:YVO ₄ oscillator operating at an ultralow repetition rate. <i>Optics Letters</i> , 2003 , 28, 1838-40	3	32
93	Directly diode-pumped Yb ³⁺ :SrY ₄ (SiO ₄) ₃ O regenerative amplifier. <i>Optics Letters</i> , 2003 , 28, 2195-7	3	22
92	Probing interface magnetism in the FeMn/NiFe exchange bias system using magnetic second-harmonic generation. <i>Europhysics Letters</i> , 2003 , 63, 819-825	1.6	27
91	SHG anisotropy in Au/Co/Au/Cu/vicinal Si(1 1 1). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 240, 532-535	2.8	2
90	Largely tunable diode-pumped sub-100-fs Yb:BOYS laser. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 74, s201-s203	1.9	12
89	A new 3D multipass amplifier based on Nd:YAG or Nd:YVO ₄ crystals. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 75, 481-485	1.9	13
88	Anisotropy of the optical and magneto-optical response of Au/Co/Au/Cu multilayers grown on vicinal Si (111) surfaces. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 74, 665-670	1.9	8
87	High-power diode-pumped Yb:GdCOB laser: from continuous-wave to femtosecond regime. <i>Optical Materials</i> , 2002 , 19, 73-80	3.3	22
86	Heterogeneity of diffusion inside microbial biofilms determined by fluorescence correlation spectroscopy under two-photon excitation. <i>Photochemistry and Photobiology</i> , 2002 , 75, 570-8	3.6	68
85	Diode-pumped femtosecond oscillators using ultra-broad-band Yb-doped crystals and modelocked using low-temperature grown or ion implanted saturable-absorber mirrors. <i>EPJ Applied Physics</i> , 2002 , 20, 177-182	1.1	2
84	Diode-pumped Yb:Sr ₃ Y(BO ₃) ₃ femtosecond laser. <i>Optics Letters</i> , 2002 , 27, 197-9	3	141
83	Apatite-structure crystal, Yb(3+):SrY ₄ (SiO ₄) ₃ O, for the development of diode-pumped femtosecond lasers. <i>Optics Letters</i> , 2002 , 27, 1914-6	3	58
82	Spectroscopy and efficient laser action from diode pumping of a new broadly tunable crystal: Yb ³⁺ :Sr ₃ Y(BO ₃) ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 1083	1.7	73
81	Continuous-wave diode-pumped solid-state laser with an intracavity fiber Bragg grating. <i>Applied Optics</i> , 2002 , 41, 6356-9	1.7	
80	Intracavity self-adapted photorefractive Fabry-Perot 2001 , 4353, 138		

79	Multiwatt, tunable, diode-pumped CW Yb:GdCOB laser. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 389-393	1.9	51
78	12-mJ, 350-fs Yb:GdCOB regenerative amplifier. <i>Optics Communications</i> , 2001 , 199, 181-187	2	5
77	Spectroscopic properties and laser performances of Yb:YCOB and potential of the Yb:LaCOB material. <i>Optical Materials</i> , 2001 , 16, 181-188	3.3	72
76	Nd:GdCOB: overview of its infrared, green and blue laser performances. <i>Optical Materials</i> , 2001 , 16, 213-230	3.3	37
75	Linear and non-linear magneto-optical studies of Pt/Co/Pt thin films. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 9867-9878	1.8	17
74	High-Power Continuous-Wave Diode-Pumped Nd:YALO(3) Laser that Emits on Low-Gain 1378- and 1385-nm Transitions. <i>Applied Optics</i> , 2001 , 40, 3019-22	1.7	10
73	Développement de lasers visibles pompés par diode à base de cristaux de Nd:GdCOB autodoubleurs de fréquence. <i>Comptes Rendus Physique</i> , 2000 , 1, 609-614		
72	Molecular Dynamics of Biological Probes by Fluorescence Correlation Microscopy with Two-Photon Excitation. <i>Journal of Fluorescence</i> , 2000 , 10, 413-419	2.4	18
71	Femtosecond Yb:YCOB laser pumped by narrow-stripe laser diode and passively modelocked using ion implanted saturable-absorber mirror. <i>Electronics Letters</i> , 2000 , 36, 1621	1.1	22
70	Efficient, tunable, zero-line diode-pumped, continuous-wave Yb ³⁺ :Ca ₄ LnO(BO ₃) ₃ (Ln = Gd, Y) lasers at room temperature and application to miniature lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 18	1.7	49
69	Diode-pumped self-frequency-doubling Nd:GdCa ₄ O(BO ₃) ₃ lasers: toward green microchip lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 1526	1.7	29
68	Video rate depth-resolved two-dimensional imaging through turbid media by femtosecond parametric amplification. <i>Optics Letters</i> , 2000 , 25, 353-5	3	15
67	Generation of 90-fs pulses from a mode-locked diode-pumped Yb ³⁺ :Ca ₄ GdO(BO ₃) ₃ laser. <i>Optics Letters</i> , 2000 , 25, 423-5	3	115
66	Theoretical and experimental investigations of a diode-pumped quasi-three-level laser: the Yb ³⁺ -doped Ca ₄ GdO(BO ₃) ₃ (Yb:GdCOB) laser. <i>IEEE Journal of Quantum Electronics</i> , 2000 , 36, 598-606	2	61
65	Overview of the laser and non-linear optical properties of calcium-gadolinium-oxo-borate Ca ₄ GdO(BO ₃) ₃ . <i>Journal of Alloys and Compounds</i> , 2000 , 303-304, 401-408	5.7	45
64	Observation of magneto-optical second-harmonic generation with surface plasmon excitation in ultrathin Au/Co/Au films. <i>Applied Physics Letters</i> , 1999 , 75, 190-192	3.4	28
63	Cr ⁴⁺ :YAG laser pumped erbium-doped fibre amplifier with improved power characteristics. <i>Optics and Laser Technology</i> , 1999 , 31, 341-343	4.2	
62	Magnetization-induced second-harmonic generation enhanced by surface plasmons in ultrathin Au/Co/Au metallic films. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 545-548	1.9	17

61	Laser mode manipulation by intracavity dynamic holography: Application to mode selection. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 69, 155-157	1.9	19
60	Efficient and tunable continuous-wave diode-pumped Yb ³⁺ :Ca ₄ GdO(BO ₃) ₃ laser. <i>Applied Optics</i> , 1999 , 38, 976-9	1.7	43
59	Intracavity testing of KTiOPO ₄ crystals for second-harmonic generation at 532 nm. <i>Applied Optics</i> , 1999 , 38, 2536-9	1.7	3
58	High-repetition-rate 300-ps pulsed ultraviolet source with a passively Q-switched microchip laser and a multipass amplifier. <i>Optics Letters</i> , 1999 , 24, 499-501	3	25
57	High-repetition-rate eyesafe intracavity optical parametric oscillator. <i>Applied Physics B: Lasers and Optics</i> , 1998 , 67, 181-183	1.9	22
56	New green self-frequency-doubling diode-pumped Nd:Ca ₄ GdO(BO ₃) ₃ laser. <i>Applied Physics B: Lasers and Optics</i> , 1998 , 67, 533-535	1.9	75
55	Tunable picosecond blue and ultraviolet pulses from a diode-pumped laser system seeded by a gain-switched laser diode. <i>Applied Optics</i> , 1998 , 37, 4876-80	1.7	3
54	Organic-inorganic solids by sol-gel processing: optical applications. <i>Journal of Optics</i> , 1998 , 7, 169-177		27
53	Functionalized dye-doped hybrid sol-gel materials: from solid state dye laser to nonlinear applications and organic photorefractivity 1998 ,		6
52	Diode-pumped solid state laser sources of picosecond UV pulses for photobiology 1998 , 3404, 260		
51	Toward millions of laser pulses with pyrromethene- and perylene-doped xerogels. <i>Applied Optics</i> , 1997 , 36, 6760-3	1.7	108
50	Performances of Cr:LiSrAlF(6) and Cr:LiSrGaF(6) for continuous-wave diode-pumped Q-switched operation. <i>Optics Letters</i> , 1997 , 22, 387-9	3	25
49	Theoretical and experimental investigations of small-signal gain for a diode-pumped Q-switched Cr:LiSAF laser. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 269-278	2	31
48	Corrections to "Theoretical And Experimental Investigations Of Small-signal Gain For A Diode-pumped Q-switched Cr:LiSAF Laser". <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 1614-1614	2	5
47	Tunable picosecond UV source at 10 kHz based on an all-solid-state diode-pumped laser system. <i>Applied Physics B: Lasers and Optics</i> , 1997 , 65, 255-258	1.9	7
46	Small-signal gain investigations for a continuous-wave diode-pumped Q-switched Cr:LiSAF laser. <i>Optics Letters</i> , 1996 , 21, 1253-5	3	8
45	Pyrromethene-doped xerogels for solid state dye laser systems 1996 , 2698, 2		3
44	Femtosecond laser excitation dynamics of the semiconductor-metal phase transition in VO ₂ . <i>Journal of Applied Physics</i> , 1996 , 79, 2404-2408	2.5	62

43	Imaging in diffuse media with ultrafast degenerate optical parametric amplification. <i>Optics Letters</i> , 1995 , 20, 231-3	3	31
42	All-solid-state continuous-wave tunable blue-light source by intracavity doubling of a diode-pumped Cr:LiSAF laser. <i>Optics Letters</i> , 1995 , 20, 1274-6	3	22
41	Self-starting self-mode-locked femtosecond diode-pumped Cr:LiSAF laser. <i>Optics Letters</i> , 1995 , 20, 1874-6	3	20
40	Perylene- and pyrromethene-doped xerogel for a pulsed laser. <i>Applied Optics</i> , 1995 , 34, 428-31	1.7	117
39	Mechanically Q-switched codoped Er-Yb glass laser under Ti:sapphire and laser diode pumping. <i>Electronics Letters</i> , 1995 , 31, 458-459	1.1	6
38	Perylene, pyrromethene and grafted rhodamine-doped xerogels for tunable solid state laser 1994 ,		23
37	Impregnated ORMOSIL matrices for efficient solid state optical gain media. <i>Optics Communications</i> , 1994 , 110, 125-130	2	14
36	Femtosecond laser excitation of the semiconductor-metal phase transition in VO ₂ . <i>Applied Physics Letters</i> , 1994 , 65, 1507-1509	3.4	165
35	Seeding of a titanium sapphire oscillator by a vertical-cavity surface-emitting laser in the nanosecond range. <i>Applied Physics Letters</i> , 1994 , 65, 804-806	3.4	1
34	Femtosecond switching of the solid state phase transition in the smart-system material VO ₂ 1994 , 2189, 400		7
33	LiSAF regenerative amplifier for femtosecond pulses operating at 5-kHz repetition rate 1994 , 2041, 88		
32	Reverse saturable absorption in solid xerogel matrices. <i>Applied Physics Letters</i> , 1993 , 62, 1721-1723	3.4	63
31	High-repetition-rate cw-pumped Cr(3+):LiSrAlF(6) femtosecond regenerative amplifier. <i>Optics Letters</i> , 1993 , 18, 1250-2	3	13
30	Quasi-continuous-wave and actively mode-locked diode-pumped Cr(3+):LiSrAlF(6) laser. <i>Optics Letters</i> , 1993 , 18, 1730-2	3	18
29	Improved SOL-GEL Materials for Efficient Solid State DYE Lasers. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 329, 279		3
28	Tunable blue light source by intracavity frequency doubling of a Cr-doped LiSrAlF ₆ laser. <i>Applied Physics Letters</i> , 1992 , 61, 2381-2382	3.4	12
27	Xerogel matrix influence on malachite-green absorption saturation relaxation 1992 , 1758, 538		
26	Dense Xerogel Matrices and Films for Optical Memory. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 271, 663		5

25	Optically active doped xerogel. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 627-630	3.9	14
24	Impregnated SiO ₂ gels used as dye laser matrix hosts. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 636-640	3.9	24
23	All-optical gel memory. <i>Optics Letters</i> , 1992 , 17, 218-20	3	33
22	Time-resolved saturated absorption recovery in malachite green-doped xerogel. <i>Chemical Physics Letters</i> , 1991 , 176, 495-498	2.5	18
21	Optical probing of SiO ₂ gel characteristics. <i>Journal of Materials Science Letters</i> , 1991 , 10, 615-618		5
20	Single-shot characterization of ultrashort light pulses. <i>Journal Physics D: Applied Physics</i> , 1991 , 24, 1225-1233	3.9	39
19	High-efficiency multipass Ti:sapphire amplifiers for a continuous-wave single-mode laser. <i>Optics Letters</i> , 1991 , 16, 144-6	3	25
18	Complex pulse evolution in a femtosecond laser with spectral windowing. <i>Optics Communications</i> , 1990 , 79, 443-447	2	3
17	Femtosecond pulses at 800 nm by passive mode locking of Rhodamine 700. <i>Optics Letters</i> , 1990 , 15, 446-8	3	9
16	Nonreciprocal phase shifts in a femtosecond dye laser. <i>Optics Letters</i> , 1990 , 15, 906-8	3	8
15	Pulse propagation near zero group-velocity dispersion in a femtosecond dye laser. <i>Optics Letters</i> , 1990 , 15, 1374-6	3	15
14	Femtosecond Laser Cavity Dispersion Measurement Using Soliton Properties. <i>Springer Series in Chemical Physics</i> , 1990 , 51-53	0.3	
13	Generation and Amplification of Femtosecond Pulses at 800 nm. <i>Springer Series in Chemical Physics</i> , 1990 , 48-50	0.3	
12	58 fs pulse generation near 685 nm from a passively mode locked dye laser. <i>Optics Communications</i> , 1989 , 69, 281-284	2	7
11	Direct measurement of saturation fluence in Ti:Al ₂ O ₃ . <i>Optics Communications</i> , 1989 , 72, 235-238	2	5
10	Efficient tunable solid-state laser near 630 nm using sulforhodamine 640-doped silica gel. <i>Optics Letters</i> , 1989 , 14, 785-7	3	107
9	Generation of 36-fsec pulses near 775 nm from a colliding-pulse passively mode-locked dye laser. <i>Optics Letters</i> , 1989 , 14, 940-2	3	8
8	20 fs amplified pulses. <i>Optics Communications</i> , 1988 , 67, 297-300	2	6

7	Single shot measurement of the optical Kerr effect kinetics. <i>Applied Optics</i> , 1988 , 27, 777-9	1.7	10
6	Measurement of the nonlinear index $n(2)$ of BSO crystals. <i>Applied Optics</i> , 1988 , 27, 2812-3	1.7	
5	Generation of 0.6 μ pulses of 16 fs duration through high-repetition rate amplification of self-phase modulated pulses. <i>Applied Physics Letters</i> , 1988 , 53, 823-825	3.4	24
4	Single-shot measurement of a 52-fs pulse. <i>Applied Optics</i> , 1987 , 26, 4528-31	1.7	116
3	CANDELA photo-injector experimental results with a dispenser photocathode		2
2	Music information visualization and classical composers discovery: an application of network graphs, multidimensional scaling, and support vector machines. <i>Scientometrics</i> , 1	3	0
1	Light Extraction and Brightness Enhancement of Luminescent Rectangular Slabs. <i>Advanced Photonics Research</i> , 2100356	1.9	