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Solid-State Laser Engineering

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#	Paper	IF	Citations
474	Numerical analysis of 10's femtosecond relativistic electron beam generation using single 12TW50fs laser pulse. 2000 , 455, 148-154		7
473	New formalism for the analysis of passively Q-switched laser systems. 2001 , 37, 707-715		24
472	Design and Performance of a Diode-Pumped Nd:Silica-Phosphate Glass Zig-Zag Slab Laser Amplifier for Inertial Fusion Energy. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 6415-6425	1.4	38
471	A Flash-Lamp-Pumped Nd:YAG Laser with Dual-Telescopic Optics Configuration. 2001 , 8, 163-168		1
470	Fabrication of Nd ³⁺ , Cr ⁴⁺ co-doped Gd ₃ Ga ₅ O ₁₂ thin film waveguide by two-target pulsed laser deposition. 2001 , 177, 147-151		10
469	Saturable absorption dynamics in the triplet system and triplet excitation induced singlet fluorescence of some organic molecules. 2001 , 263, 471-490		14
468	Travelling-wave nanosecond optical parametric oscillator close to the Fourier-transform limit. 2001 , 196, 229-235		2
467	A Passively Q-Switched Laser Constructed by a Two-Mirror Reentrant Ring Cavity. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L508-L510	1.4	3
466	Vibrational spectroscopy of interfaces by infrared-visible sum frequency generation. 2001 , 19, 2717		220
465	Simple and efficient pumping scheme for side-pumped laser rods.		
464	Optimization of passively Q-switched Er:glass laser.		
463	Optical Phase-Locked Loops. 2002 , 355-388		
462	7 Tunable infrared laser spectroscopy. 2002 , 98, 219-272		86
461	Modeling of end-pumped CW quasi-three-level lasers. 2002 , 38, 306-311		26
460	Sensitivity and stability of a radiation-balanced laser system. 2002 , 38, 1339-1348		20
459	Transition-metal-doped chalcogenide lasers. 2002 , 31, 759-769		50
458	Transient optical absorption of hole polarons in ADP (NH ₄ H ₂ PO ₄) and KDP (KH ₂ PO ₄) crystals. 2002 , 44, 880-887		34

457	74% Slope efficiency from a diode-pumped Yb ³⁺ :LiNbO ₃ :MgO laser crystal. 2003 , 77, 621-623		12
456	Passive Q-switching of a laser-diode-pumped intracavity-frequency-doubling Nd:NYW/KTP laser with GaAs saturable absorber. <i>Optics and Laser Technology</i> , 2003 , 35, 563-567	4-2	33
455	Dynamics of chromium ion valence transformations in Cr,Ca:YAG crystals used as laser gain and passive Q-switching media. 2003 , 24, 333-344		67
454	Efficient diode-pumped Nd:KGd(WO ₄) ₂ laser grown by top nucleated floating crystal method. 2003 , 24, 377-383		28
453	Noise suppression of Nd:YVO ₄ solid-state lasers for telecommunication applications. 2003 , 21, 2983-2988		15
452	Spectroscopic analysis and diode-pumped laser results of Nd:BaY ₂ F/sub 8/. 2003 , 39, 971-978		11
451	. 2003 , 39, 741-748		22
450	Noise analysis and suppression for ND:YVO/sub 4/ solid-state lasers.		
449	Tunable pulse-duration optical parametric oscillator pumped by stimulated Brillouin scattering phase-conjugation wave. 2003 , 42, 3265		1
448	Strength enhancement of single crystal laser components. 2003 , 18, 2537-2539		5
447	Crystalline Mid-Infrared Lasers. 2003 , 262-358		28
446	Solar Pumped Solid State Lasers for Space Solar Power: Experimental Path. 2003 ,		
445	Laser Oscillator. 2003 , 78-120		
444	High-Power 10-kW All-Solid-State Rod-Type Laser. <i>The Review of Laser Engineering</i> , 2003 , 31, 508-512	o	o
443	ENERGY LEVELS AND RADIATIVE PROPERTIES OF MOLECULES, LIQUIDS, AND SOLIDS. 2004 , 135-198		3
442	LASER SYSTEMS INVOLVING HIGH-DENSITY GAIN MEDIA. 2004 , 539-598		
441	Lasers, Solid-state. 2004 ,		
440	Ultrashort-pulse Phenomena. 2004 ,		

439 Amplifiers, Optical. **2004,**

438 Quantum-Defect-Limited Operation of Diode-Pumped Yb:YAG Laser at Low Temperature. *Japanese Journal of Applied Physics*, **2004**, 43, L496-L498 1.4 32

437 Passive Q-switching of diode pumped Er:glass laser with V³⁺:YAG saturable absorber. **2004**, 471

436 Tunable Nd³⁺:Ca₃Ga₂Ge₃O₁₂ site-selective laser operating around 1.33 μ m. **2004**, 70, 11

435 All-optical intensity noise suppression of solid-state lasers for optical generation of microwaves. 1

434 A new laser-based position sensor with the ability of detecting the incident angle of a light. 1

433 High-Power Red Light Generation by Intra-Cavity Frequency-Doubling of a Side-Pumped Nd:YAG Laser in a LiB₃O₅ Crystal. **2004**, 21, 1951-1953 2

432 Diamond cooling of high-power diode-pumped solid-state lasers. **2004**, 40, 262-269 29

431 Near-Field Diffractive Optical Pumping of a Laser Medium. **2004**, 11, 353-357 9

430 Passive Q-switching of a laser-diode-pumped intracavity-frequency-doubling Nd:Nd³⁺:NaY(WO₄)₂/KTP laser with Cr⁴⁺:YAG saturable absorber. **2004**, 36, 1227-1236 8

429 Efficient Ho : YAG laser pumped by a cladding-pumped tunable Tm : silica-fibre laser. **2004**, 79, 559-561 84

428 200-W corner-pumped Yb:YAG slab laser. **2004**, 79, 265-267 15

427 Photoacoustic detection of heat generation in proton-implanted Nd:YAG waveguides with and without laser operation. **2004**, 79, 477-483

426 Generation of radially polarized beams in Nd:YAG lasers with polarization selective mirrors. *Laser Physics Letters*, **2004**, 1, 234-236 1.5 33

425 Fully analytical simulation of Q-switched lasers. *Laser Physics Letters*, **2004**, 1, 282-284 1.5 8

424 Relationship between thermally induced lensing and output power for a high-power laser-diode side-pumped solid-state laser. **2004**, 42, 361-365

423 Free-electron lasers as pumps for high-energy solid-state lasers. **2004**, 528, 525-529

422 Laser configurations for high-order transverse mode selection and coherent beam combining.

421	THE PHOTON COLLIDER AT TESLA. 2004 , 19, 5097-5186		107
420	Characterization of radiative and nonradiative Processes in Nd:YAG lasers by comparing direct and band pumping. 2004 , 40, 384-389		13
419	Erbium spectroscopy and 1.5- μm emission in KGd(WO ₄) ₂ : Er,Yb single crystals. 2004 , 40, 759-770		25
418	Calculation of thermal-gradient-induced stress birefringence in slab Lasers-I. 2004 , 40, 909-916		24
417	Calculation of thermal-gradient-induced stress birefringence in slab Lasers-II. 2004 , 40, 917-928		14
416	Thermal lensing in diode-pumped ytterbium Lasers-Part I: theoretical analysis and wavefront measurements. 2004 , 40, 1217-1234		88
415	Thermal lensing in diode-pumped ytterbium Lasers-Part II: evaluation of quantum efficiencies and thermo-optic coefficients. 2004 , 40, 1235-1243		48
414	Engineering Aspects of Neodymium Random Lasers: External Seeding, Design, and Second Harmonic Generation. 2005 , 101-119		
413	Optical properties of zirconia-titania DRMSIL films for temperature tuning distributed feedback waveguide lasers. 2005 , 251, 322-327		10
412	Laser diode-pumped passively Q-switched Nd ³⁺ :NaY(WO ₄) ₂ laser with GaAs saturable absorber. <i>Optics and Laser Technology</i> , 2005 , 37, 187-191	4.2	13
411	Dye and Polymer Random Lasers. 2005 , 164-197		
410	Influence of the orientation of a crystal on thermal polarization effects in high-power solid-state lasers. 2005 , 81, 90-94		24
409	High-power scaling (>100 W) of a diode-pumped TEM ₀₀ /Nd:GdVO ₄ laser system. 2005 , 11, 621-625		55
408	Generation of Laguerre-Gaussian modes in Nd:YAG laser using diffractive optical pumping. <i>Laser Physics Letters</i> , 2005 , 2, 327-333	1.5	58
407	Stable laser-diode pumped microchip sub-nanosecond Cr,Yb:YAG self-Q-switched laser. <i>Laser Physics Letters</i> , 2005 , 2, 387-391	1.5	41
406	Temperature-tuning Yb:YAG microchip lasers. <i>Laser Physics Letters</i> , 2005 , 2, 429-436	1.5	32
405	Nd:YAG/V:YAG microchip laser operating at 1338 nm. <i>Laser Physics Letters</i> , 2005 , 2, 519-524	1.5	54
404	A 13.3-W laser-diode-array end-pumped Nd:GdVO ₄ continuous-wave laser at 1.34 μm . 2005 , 80, 45-48		39

403	Optimization of the laser performance in Nd ³⁺ :YAG ceramic microchip lasers. 2005 , 80, 39-43		8
402	3D Modeling of amplification processes in CPA laser amplifiers. 2005 , 80, 661-667		10
401	Efficient pulse operation of Nd:GdVO ₄ laser with AO Q-switch. 2005 , 81, 521-524		15
400	High-Average-Power Scaling Behavior of Optical Parametric Oscillators. 2005 , 12, 307-312		2
399	The analytical investigation of the super-Gaussian pump source on the thermal, stress and thermo-optics properties of double-clad Yb:glass fiber lasers. 2005 , 65, 95-105		9
398	The "advanced disk laser" [An onboard laser diagnostics system for drop tower experiments. 2005 , 17, 71-74		3
397	Suppression of Optical Damage to the Surface of High-Energy Q-Switched Ruby Laser Rod for Medical Use. <i>The Review of Laser Engineering</i> , 2005 , 33, 681-684	0	
396	Diode Edge-Pumped Microchip Composite Yb: YAG Laser. <i>The Review of Laser Engineering</i> , 2005 , 33, 228-235		
395	Theoretical Modeling of Neodymium Random Lasers. 2005 , 68-100		
394	Numerical research of heat generation in flashlamp-pumped Nd:glass disk amplifiers. 2005 , 44, 094205		4
393	A 37% Efficiency, Kilohertz Repetition Rate Cryogenically Cooled Ti:Sapphire Regenerative Amplifier. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L823-L826	1.4	7
392	Efficient High-Average-Power Operation of Q-Switched Cryogenic Yb:YAG Laser Oscillator. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L1529-L1531	1.4	11
391	Sub-10 ns Q-switched Yb-doped photonic crystal fiber laser.		
390	Single longitudinal mode laser oscillation from a neodymium aluminium borate stoichiometric crystal. 2005 , 87, 211108		11
389	Highly efficient Nd ³⁺ :LaB ₃ O ₆ cleavage microchip laser. 2005 , 98, 103104		10
388	Stable longitudinal multi-mode oscillation in a laser-diode pumped Cr, Yb: YAG self-Q-switched laser.		
387	A pump-power-controlled luminescent switcher. 2005 , 86, 011920		25
386	Bandwidth dependence of pulse duration in intra-cavity frequency-doubled lasers: theory and experiment. 2005 , 52, 1809-1818		1

385	Anti-scatter coating on slab laser head surface for evanescent wave with photo-oxidation of silicone oil. 2005 , 890, 1		1
384	Precise measurement of thermal conductivities of Nd-doped laser materials by the thermal wave analysis. 2005 ,		
383	Investigation on Performance of High Repetition Diode-Pumped Heat-Capacity Nd:YAG Laser. 2005 , 22, 339-342		3
382	Optimized pumping of Nd:YVO/sub 4/ with polarizationinsensitive absorption for high power applications. 2005 ,		
381	. 2005 , 93, 1864-1873		1
380	Dependence of the neodymium random laser threshold on the diameter of the pumped spot. 2005 , 41, 677-685		22
379	Development of Nd-doped Optical Gain Material Based on Silica Glass with High Thermal Shock Parameter for High-Average-Power Laser. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1764-1770	1.4	20
378	Studies of high-temperature phase transition, electrical conductivity, and dielectric relaxation in (NH4)H2PO4 single crystal. 2005 , 98, 044104		9
377	Electronic structure calculations of an oxygen vacancy in KH2PO4. 2005 , 72,		35
376	Syntheses, Structure, and Characterization of Crystal La6Ba4(SiO4)6F2, a Promising Laser Host. 2005 , 17, 1135-1138		29
375	Efficient Yb3+:Y3Al5O12 ceramic microchip lasers. 2006 , 89, 091114		69
374	All-ceramic passively Q-switched Yb:YAG/Cr4+:YAG microchip laser. 2006 , 42, 1154		14
373	Edge- and end-pumped slab lasers with both efficient and uniform pumping. 2006 , 42, 483-489		10
372	Satellite pulse generation in diode-pumped passively Q-switched Nd:GdVO/sub 4/ lasers. 2006 , 42, 625-632		18
371	Subnanosecond (Er,Yb) Glass Q-Switched Microlasers: 3-D Transient Modeling and Experiments. 2006 , 42, 1128-1136		8
370	Amplified Spontaneous Emission in Slab Amplifiers. 2006 , 42, 1239-1247		16
369	Efficient laser oscillation of Yb:Y3Al5O12 single crystal grown by temperature gradient technique. 2006 , 88, 161115		15
368	2.0W diode-pumped Er:Yb:YAl3(BO3)4 laser at 1.5μm. 2006 , 89, 241111		46

367	Acousto-optic-modulator-stabilized low-threshold mode-locked Nd:YVO4 laser. 2006 , 89, 221119	7
366	Passively Q-switched neodymium slab lasers at 1.3- μ m wavelength side-pumped by a 600-W. 2006 , 45, 114204	0
365	Point defects in Ce-doped Y3Al5O12 crystal scintillators. 2006 , 73,	24
364	POLARIS: An All Diode-Pumped Ultrahigh Peak Power Laser for High Repetition Rates. 2006 , 47-66	27
363	High-gain diode-pumped amplifier for generation of microjoule-level picosecond pulses. 2006 , 14, 9244-9	15
362	Development of a 100-W, single-frequency Nd:YAG laser for large-scale cryogenic gravitational wave telescope. 2006 , 32, 276-281	
361	Design study of an optical cavity for a future photon collider at ILC. 2006 , 564, 212-224	16
360	Studies for a photon collider at the ILC. 2006 , 564, 243-261	11
359	Continuous-wave high-power multi-pass pumped thin-disc Nd:GdVO4 laser. 2006 , 260, 271-276	10
358	More precise determination of thermal lens focal length for end-pumped solid-state lasers. 2006 , 266, 620-626	39
357	Antiphase dynamics of sub-nanosecond microchip Cr,Yb:YAG self-Q-switched multimode laser. 2006 , 39, 101-106	2
356	Architecture of a blue high contrast multiterawatt ultrashort laser. 2006 , 82, 347-358	15
355	Thermal Lensing of Edge-pumped Slab Lasers-I. 2006 , 82, 413-418	12
354	Laser performance of Nd:LaB3O6 cleavage microchips passively Q-switched with a Cr4+:YAG saturable absorber. 2006 , 83, 195-201	2
353	Laser-induced incandescence: recent trends and current questions. 2006 , 83, 333-354	366
352	High power single-frequency continuous-wave Nd:YVO4 master-oscillator power amplifier. 2006 , 85, 539-543	24
351	A polarization-stabilized microchip laser using a resonant grating mirror. 2006 , 85, 519-524	12
350	Sub-nanosecond passively Q-switched Yb:YAG/Cr4+:YAG sandwiched microchip laser. 2006 , 85, 513-518	35

349	The overall phase shift and lens effect calculation using Gaussian boundary conditions and paraxial ray approximation for an end-pumped solid-state laser. 2006 , 66, 513-519		8
348	High-power ultrafast fiber laser systems. 2006 , 12, 233-244		133
347	Laser diodes semicircular side-pumped laser rod with a round-sharped output. <i>Laser Physics Letters</i> , 2006 , 3, 345-348	1.5	6
346	Steady-state picosecond stimulated Raman scattering in two host-crystals for Ln ³⁺ and Ln ²⁺ lasants. <i>Laser Physics Letters</i> , 2006 , 3, 385-391	1.5	19
345	Generation of 2.1 W Continuous Wave Blue Light by Intracavity Doubling of a Diode-End-Pumped Nd:YAG Laser in a 30 mm LBO. 2006 , 23, 1479-1481		4
344	Ultrafine luminescent structures through nanoparticle self-assembly. 2006 , 17, 3802-3805		6
343	Efficient ceramic Nd:Cr:YAG split-disk laser amplifier. 2006 ,		
342	Thermal and thermal-optical effects in high-power photonic crystal fiber lasers. 2006 , 45, 124204		6
341	Wide infrared and visible tunability from a Nd ³⁺ :Ba ₂ NaNbO ₁₅ self-frequency-converter disordered laser crystal. 2006 , 99, 026105		4
340	Continuous-wave diode-pumped Yb:glass laser with near 90% slope efficiency. 2006 , 89, 121101		35
339	Passively Q-switched laser operation of Nd:LaB ₃ O ₆ cleavage microchip. 2006 , 99, 103101		6
338	Compensation of laser thermal depolarization using free space. 2006 ,		
337	Tunable dual-signal PPLN optical parametric generator by using an acousto-optic beam splitter. 2007 , 9, 235-238		0
336	Self-pulsing laser as oscillator Toda: approximations through elementary functions. 2007 , 40, 2107-2124		5
335	A Compact 532-nm Source by Frequency Doubling of a Diode Stack End-Pumped Nd:YAG Slab Laser. 2007 , 24, 2846-2848		1
334	Acousto-Optic-Modulator-Stabilized, Low Threshold Nonlinear Mirror Mode-locked Laser. 2007 ,		
333	40J class laser oscillation of Nd-doped silica glass with high thermal shock parameter. 2007 , 90, 221108		17
332	Laser output power stabilization for direct laser writing system by using an acousto-optic modulator. <i>Review of Scientific Instruments</i> , 2007 , 78, 103110	1.7	25

331	Acousto-optic modulation in diode-pumped solid-state lasers. 2007 , 46, 074202		1
330	A simple bi-convex refractive laser beam shaper. 2007 , 9, 945-950		4
329	Enhanced multiwavelength holographic profilometry by laser mode selection. 2007 , 46, 075601		7
328	Intracavity power addition with a close-ended composite four-mirror cavity. 2007 , 16, 3710-3718		
327	Tapered-fiber phase conjugator with high stability and high reflectivity used for master-oscillator power amplifier systems. 2007 , 46, 014201		3
326	Pump Uniformity and Temperature Profile Measurements in a Planar Waveguide Nd:YAG Laser by a Beam Deflection Method. 2007 , 43, 669-675		4
325	Near-diffraction-limited passively Q-switched Yb:Y3Al5O12 ceramic lasers with peak power >150kW. 2007 , 90, 131105		17
324	A model of a QCW diode pumped passively Q-switched solid state laser. 2007 , 54, 1685-1694		2
323	Chaotic Behavior of Noise Suppressed Solid State Lasers used in Radio-over-Fiber Systems. 2007 ,		
322	Cr ²⁺ :ZnSe laser pumped by 1.66 μm or 1.97 μm radiations. <i>Laser Physics Letters</i> , 2007 , 4, 23-29	1.5	54
321	A quantitative approach to evaluate the problem of coherence of spectral components of the third-order susceptibility generating coherent anti-Stokes Raman signals. 2007 , 38, 452-459		5
320	Spectral synthesis of coherent anti-Stokes Raman spectra with broadband Stokes lasers of arbitrary line shapes. 2007 , 38, 1064-1072		8
319	Highly efficient third-harmonic generation with electro-optically Q-switched diode-end-pumped Nd:YVO4 slab laser. 2007 , 272, 192-196		19
318	Performance studies of diode-side-pumped CW Nd:YAG laser in copper coated optical pump cavity. <i>Optics and Laser Technology</i> , 2007 , 39, 1426-1431	4.2	6
317	Micro-pulling-down: A viable approach to the crystal growth of refractory rare-earth sesquioxides. 2007 , 43, 729-734		9
316	Comparative Performance of Passively Q-Switched Diode-Pumped Yb ³⁺ -Doped Tungstate and Garnet Lasers Using Cr ⁴⁺ :YAG Saturable Absorber. 2007 , 13, 502-510		10
315	The Rising Power of Fiber Lasers and Amplifiers. 2007 , 13, 537-545		153
314	A Planar Waveguide Nd:YAG Laser Using Active Q-Switching of a Hybrid Unstable Resonator. 2007 , 13, 638-646		10

313	Computational model for simultaneous Q switching and mode-locking in a solid state laser with a saturable absorber. <i>Laser Physics</i> , 2007 , 17, 134-137	1.2	2
312	Actively mode-locked Tm-Ho:LiYF ₄ and Tm-Ho:BaY ₂ F ₈ lasers. 2007 , 86, 269-273		25
311	Transient grating measurements of refractive-index changes in intensively pumped Yb-doped laser crystals. 2007 , 86, 315-318		8
310	Littrow-type discretely tunable, Q-switched Nd:YAG laser around 1.3 μ m. 2007 , 87, 431-436		13
309	Effect of ytterbium concentration on cw Yb:YAG microchip laser performance at ambient temperature [Part I: Experiments. 2007 , 89, 359-365		20
308	Analysis of various optical pumping schemes for liquid oxygen lasers. 2007 , 89, 385-394		2
307	Effect of ytterbium concentration on cw Yb:YAG microchip laser performance at ambient temperature [Part II: Theoretical modeling. 2007 , 89, 367-376		16
306	Optical parametric amplification beyond the slowly varying amplitude approximation. 2007 , 69, 395-409		1
305	Diode-pumped 200 μ m diameter core, gain-guided, index-antiguidded single mode fiber laser. 2008 , 90, 369-372		69
304	Laser operation at high repetition rate of 100 kHz in Nd:GdVO ₄ under 879 nm diode-laser pumping. 2008 , 92, 199-202		12
303	Room-temperature diode-pumped Yb ³⁺ -doped LiYF ₄ and KYF ₄ lasers. 2008 , 92, 519-523		19
302	MILD: a laser altimeter transmitter for a Mercury planetary orbiter. 2008 , 92, 431-438		1
301	The analytical investigation of temperature distribution in off-central diode-pumped lasers. 2008 , 70, 649-656		1
300	Laser-diode pumped self-Q-switched microchip lasers. 2008 , 15, 57-74		23
299	A high efficient one-end-pumped TEM ₀₀ laser with optimal pump mode. <i>Laser Physics Letters</i> , 2008 , 5, 185-188	1.5	35
298	Q-switched operation with Fox-Smith-Michelson laser cavity. <i>Laser Physics Letters</i> , 2008 , 5, 189-192	1.5	4
297	Generation of tailored pulse trains for efficient material processing by a high power MOPA system with birefringence compensation. <i>Laser Physics Letters</i> , 2008 , 5, 240-245	1.5	9
296	A fundamental mode miniature acousto-optically Q-switched Nd:YVO ₄ laser with short pulse width at high repetition rates. <i>Laser Physics Letters</i> , 2008 , 5, 286-290	1.5	39

295	Synthetic Diamond for Intracavity Thermal Management in Compact Solid-State Lasers. 2008 , 44, 709-717		36
294	Z-scan determination of the third-order optical nonlinearity of L-asparaginium picrate (LASP) crystal. <i>Laser Physics</i> , 2008 , 18, 790-793	1.2	29
293	LD-pumped passively Q-switched Nd:YVO ₄ /YVO ₄ laser with an Nd ³⁺ :Cr ⁴⁺ :YAG saturable absorber. <i>Laser Physics</i> , 2008 , 18, 1312-1315	1.2	9
292	Microstructuration induced differences in the thermo-optical and luminescence properties of Nd:YAG fine grain ceramics and crystals. 2008 , 129, 104705		24
291	4.1 Solid-state laser systems. 2008 , 3-96		3
290	4.2 Glasses. 2008 , 97-123		1
289	4.3 Diode-pumped fiber lasers. 2008 , 125-139		5
288	Enhancement of laser performance using an intracavity deformable membrane mirror. 2008 , 16, 10943-55		20
287	Temperature-dependent spectroscopic properties of Tm ³⁺ in germanate, silica, and phosphate glasses: A comparative study. 2008 , 103, 093104		37
286	Mode Competition During the Pulse Formation in Passively Q-switched Nd:YAG Lasers. 2008 , 44, 312-318		8
285	Investigations on Transverse-Mode Competition and Beam Quality Modeling in End-Pumped Lasers. 2008 , 44, 1009-1019		7
284	Investigating Transient Thermal Effects in Flash-Lamp-Pumped Heat Capacity Nd:YAG Rod Laser. 2008 , 44, 1033-1041		1
283	An Analytical Model of the Intracavity Optical Second Harmonic Generation in a Vertical-External-Cavity Surface-Emitting Laser. 2008 , 44, 755-762		6
282	Efficient Pulse Stretching of Q-Switched Lasers. 2008 , 44, 911-915		5
281	Calculation of ABCD matrix for a diode-pumped laser crystal by thermal effects consideration. 2008		
280	Microwave generation using a dual-helicoidally-polarized ceramic microchip laser. 2008 ,		
279	Developments in colour display devices. 2008 , 33, 1-14		6
278	Increase of the fractional delay of the pulse in an electromagnetically-induced-transparency medium. 2008 , 78,		1

277	Trends in stimulated Brillouin scattering and optical phase conjugation. 2008 , 26, 297-362	29
276	A Compact All-Solid-State 630-ps 9.43-kHz High Power Nd:YAG/Nd:YVO 4 Hybrid Laser System. 2008 , 25, 2521-2523	1
275	A Diode-Stack End-Pumped Electro-Optically Q-Switched Nd:YAG Slab Oscillator Amplifier System. 2008 , 25, 3676-3678	2
274	Spatially Resolved Site Selective Optical Spectroscopy on Nd Doped GaN Epitaxial Layers. 2008 , 1111, 1	
273	GaN Doped with Neodymium by Plasma-Assisted Molecular Beam Epitaxy for Potential Lasing Applications. 2008 , 1111, 1	2
272	Numerical Modelling of QCW-Pumped Passively Q-Switched Nd:YAG Lasers with Cr ⁴⁺ :YAG as Saturable Absorber. 2008 , 25, 2880-2883	6
271	Diode-end-pumped solid-state lasers: The analytical investigation of the lense effects and the overall phase shift with paraxial ray approximation under super-Gaussian pump. 2008 ,	
270	Highly efficient laser action in femtosecond-written Nd:yttrium aluminum garnet ceramic waveguides. 2008 , 92, 111103	133
269	OPTICAL SYSTEMS. 147-323	
268	Wavelength-selective grating mirrors for high-power thin-disk lasers. 2009 ,	
267	Birefringence compensation of two tandem-set Nd:YAG rods with different thermally induced features. 2009 , 11, 125501	9
266	Influence of spherical aberrations on fundamental mode beam quality under different laser resonators. 2009 , 18, 2806-2815	1
265	End-Pumped Tm:YAG Ceramic Slab Lasers. 2009 , 26, 074204	10
264	A Laser-Diode End-Pumped Nd:YVO 4 Slab Laser at 1342nm. 2009 , 26, 014201	
263	New ytterbium-phosphate glass for diode-pumped lasers. 2009 , 39, 891-894	7
262	Electronic Stabilization of Continuous-Wave and Pulsed Lasers Based on Macroscopic Rate-Equation Modelling. 2009 , 45, 1221-1231	0
261	Comparative study the effect of Yb concentrations on laser characteristics of Yb:YAG ceramics and crystals. <i>Laser Physics Letters</i> , 2009 , 6, 282-289	1.5 54
260	Laser and nonlinear-laser properties of undoped and Nd ³⁺ -doped orthorhombic Ca(NbO ₃) ₂ single crystals: new stimulated-emission performance and high-order picosecond stimulated Raman scattering covering more than two octave Stokes and anti-Stokes wavelengths. <i>Laser Physics Letters</i> , 2009 , 6, 001-002	1.5 14

259	Continuous-wave ceramic Nd:YAG laser at 1123 nm. <i>Laser Physics Letters</i> , 2009 , 6, 864-867	1.5	35
258	Saturable absorbers based on tetrahedrally coordinated transition-metal ions in crystals (Review). 2009 , 76, 1-43		17
257	Measurement of absorption spectra for atmospheric methane by a lidar system with tunable emission wavelength in the range 1.41-2.4 μ m. 2009 , 76, 268-272		11
256	The thermal effect in a grazing-incidence slab laser with the novel composite cooling method. 2009 , 41, 27-38		2
255	Wavelength-independent all-optical synchronization of a Q-switched 100-ps microchip laser to a femtosecond laser reference source. 2009 , 94, 399-401		2
254	Record performance from a Q-switched Er ³⁺ :Yb ³⁺ :YVO ₄ laser. 2009 , 96, 11-17		19
253	120 W high repetition rate Nd:YVO ₄ MOPA laser with a Nd:YAG cavity-dumped seed laser. 2009 , 95, 63-67		12
252	Diode end pumped Nd:YAG laser at 946 nm with high pulse energy limited by thermal lensing. 2009 , 95, 721-730		18
251	High-efficiency, high-power, diode-pumped continuous-wave Tm:YAlO ₃ slab lasers. 2009 , 97, 639-643		11
250	Single frequency lasing using coherent combining. 2009 , 282, 1861-1866		1
249	Flat-topped beam output from a double-clad rectangular dielectric waveguide laser with a high-index inner cladding. 2009 , 282, 2407-2412		2
248	High-repetition-rate Nd:YVO ₄ slab laser with a 1-D top-hat output beam. <i>Laser Physics</i> , 2009 , 19, 907-910.		7
247	A 15.1 W continuous wave TEM ₀₀ mode laser using a YVO ₄ /Nd:YVO ₄ composite crystal. <i>Laser Physics</i> , 2009 , 19, 2069-2072	1.2	8
246	High power and highly efficient Nd:YAG laser emitting at 1123 nm. <i>Laser Physics</i> , 2009 , 19, 2159-2162	1.2	22
245	Pulsed pumped Yb ³⁺ -doped double-cladding fiber amplifier. 2009 , 56, 597-600		3
244	Diode-side-pumped laser heads for solid-state lasers. 2009 , 39, 1-17		20
243	Crystal-field split levels of Nd ³⁺ ions in GaN measured by luminescence spectroscopy. 2009 , 105, 053101		22
242	Compact 300-J/300-GW Frequency-Doubled Neodymium Glass Laser Part II: Description of Laser Setup. 2009 , 45, 854-863		13

241	Compact 300-J/300-GW Frequency-Doubled Neodymium Glass Laser Part I: Limiting Power by Self-Focusing. 2009 , 45, 336-344		19
240	Modeling the Time-Dynamics of Miniature Passively Q-switched Lasers. 2009 , 45, 1563-1570		4
239	A compact, high power, ultrafast laser mode-locked by carbon nanotubes. 2009 , 95, 253102		98
238	Mirrorless Continuous Wave Laser Emission from Nd:YAG Ceramic Femtosecond-Written Waveguides. 2010 , 649-654		
237	CARS Spectroscopy. 2010 , 155		
236	Development of High Repetition Rate Pulsed Fiber Laser. <i>The Review of Laser Engineering</i> , 2010 , 38, 903-908		1
235	Dual wavelength lasers. <i>Laser Physics</i> , 2010 , 20, 622-634	1.2	88
234	Influence of LD temperature fluctuation on the performance of corner-pumped TEM00 CW composite Nd:YAG laser. <i>Laser Physics</i> , 2010 , 20, 790-792	1.2	
233	1444-nm Q-switched pulse generator based on Nd:YAG/V:YAG microchip laser. <i>Laser Physics</i> , 2010 , 20, 1288-1294	1.2	14
232	Model of CW pumped passively Q-switched laser. <i>Laser Physics</i> , 2010 , 20, 1295-1301	1.2	5
231	LD-pumped passively Q-switched Nd:GdVO4 laser at 1342 nm with high initial transmission V:YAG saturable absorber. <i>Laser Physics</i> , 2010 , 20, 1335-1340	1.2	9
230	A high beam quality laser-diode end-pumped Nd:GdVO4 slab laser. <i>Laser Physics</i> , 2010 , 20, 1284-1287	1.2	10
229	93.7 W 1112 nm diode-side-pumped CW Nd:YAG laser. <i>Laser Physics</i> , 2010 , 20, 1572-1576	1.2	8
228	52% optical-to-optical conversion efficiency in a compact 1.5 W 532 nm second harmonic generation laser with intracavity periodically-poled MgO:LiNbO3. <i>Laser Physics</i> , 2010 , 20, 1568-1571	1.2	31
227	Ytterbium-doped fiber amplifier with tunable repetition rate and pulse duration. <i>Laser Physics</i> , 2010 , 20, 1738-1743	1.2	14
226	Properties of continuous-wave 1123 nm laser with diode-side-pumped Nd:YAG. <i>Laser Physics</i> , 2010 , 20, 1935-1940	1.2	8
225	Actively Q-switched laser performance of Nd:Gd x YVO4: a class of mixed vanadate crystals. 2010 , 98, 69-76		15
224	Optical study of single crystals grown by the Czochralski method from Yb3+-doped (Gd1-x)Yx)2SiO5 solid solution. 2010 , 100, 493-498		8

223	Passive mode-locking of a diode-pumped Tm:GdLiF ₄ laser. 2010 , 101, 75-78		20
222	Development of high-efficiency 10 kHz mJps Yb:YAG laser for industry. 2010 , 17, 294-299		2
221	Ultrafast stretched-pulse fiber laser mode-locked by carbon nanotubes. 2010 , 3, 404-411		111
220	Effect of Polarization States on the Laser Performance of Passively Q-switched Yb:YAG/Cr,Ca:YAG Microchip Lasers. 2010 , 46, 50-56		3
219	Influence of the Population Lens on the EM Field Evolution in Chromium-Doped Laser Materials. 2010 , 46, 361-367		4
218	Mid-infrared Q-switched Er:YAG laser for medical applications. <i>Laser Physics Letters</i> , 2010 , 7, 498-504	1.5	174
217	Laser-diode pumped efficient Yb:LuAG microchip lasers oscillating at 1030 and 1047 nm. <i>Laser Physics Letters</i> , 2010 , 7, 726-733	1.5	40
216	High energy eye-safe and mid-infrared optical parametric oscillator. <i>Laser Physics Letters</i> , 2010 , 7, 853-856		15
215	Reliable laser micro-welding of copper. 2010 ,		4
214	First-principles and experimental analysis of f _n f _n d ¹ absorption spectra and multiplet energy levels of Pr ³⁺ , Nd ³⁺ , and U ³⁺ in LiYF ₄ . 2010 , 81,		16
213	The interaction in the development of optical missile seekers and jammer technology. 2010 , 58, 276-285		3
212	Influence of Gain Broadening for Solid Laser Output Power. 2010 ,		
211	Special Laser Wavelength Generation Using a Volume Bragg Grating as Nd:GdVO ₄ Laser Mirror. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 062503	1.4	5
210	The influence of the inhomogeneous gain profile on the spatio-temporal dynamics of broad-area class B lasers. 2010 , 12, 035201		3
209	Thermal Effects in kW Nd:YAG Thin Disk Laser. 2010 ,		
208	A novel orthogonally linearly polarized Nd:YVO ₄ laser. 2010 , 19, 084202		10
207	Thermomechanical properties of Yb ³⁺ doped laser crystals: Experiments and modeling. 2010 , 108, 123108		27
206	Crystal-field analysis and Zeeman splittings of energy levels of Nd ³⁺ (4f ³) in GaN. 2011 , 110, 043109		8

205	High-Power Solid-State Lasers: a Laser Glass Perspective. 2011 , 2, 3-29		75
204	The research of red beam generation by frequency-doubling of a Nd-YAG laser. 2011 ,		
203	Characterization of Laser Beams. 2011 , 1-68		2
202	Influence of Minute Self-Absorption of a Volume Bragg Grating Used as a Laser Mirror. 2011 , 47, 390-397		11
201	Comparison of electro-optical and acousto-optical Q-switched, high repetition rate Nd:GdVO ₄ laser. <i>Laser Physics</i> , 2011 , 21, 442-445	1.2	14
200	Highly efficient CW intracavity frequency-doubled Yb:YAG-LBO laser at 515 nm under 968 nm diode laser pumping. <i>Laser Physics</i> , 2011 , 21, 883-886	1.2	2
199	Matrix-assisted pulsed laser deposition of croconic acid, a diprotic organic ferroelectric. 2011 , 105, 635-641		7
198	High-power diode side-pumped Nd:YAG laser on the low gain three lines near 1.1 μ m. 2011 , 104, 45-52		9
197	Efficient, nanosecond self-Q-switched Cr,Yb:YAG lasers by bonding Yb:YAG crystal. <i>Laser Physics Letters</i> , 2011 , 8, 591-597	1.5	12
196	Comparative study on enhancement of self-Q-switched Cr,Yb:YAG lasers by bonding Yb:YAG ceramic and crystal. <i>Laser Physics Letters</i> , 2011 , 8, 845-852	1.5	7
195	Volume Bragg Grating-Based 70 nm Tunable and Narrow Output Spectra from a Ti:sapphire Laser. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 092701	1.4	1
194	Optimizing the mode-to-pump ratio in end-pumped quasi-three-level Nd-doped lasers considering the energy-transfer upconversion. 2011 , 44, 135401		8
193	Study of End Surfaces Deformation and Thermal Stress in Solid State Laser. 2011 , 110-116, 4140-4144		
192	Angular spectrum characters of high gain non-critical phase match optical parametric oscillators. 2011 , 20, 054204		
191	LASER-DIODE END-PUMPED DOUBLY PASSIVELY Q-SWITCHED INTRACAVITY-FREQUENCY-DOUBLING Nd:YVO ₄ /KTP GREEN LASER WITH Cr ⁴⁺ :YAG AND GaAs SATURABLE ABSORBERS. 2011 , 25, 293-300		
190	Temporally stretched Q-switched pulses in the 2 μ m spectral range. <i>Laser Physics Letters</i> , 2012 , 9, 808-813	1.5	2
189	Bulk laser-induced damage threshold of titanium-doped sapphire crystals. <i>Applied Optics</i> , 2012 , 51, 7826-7833		7
188	Photoelastic lensing effect in Ti:sapphire crystal pumped by high-energy pulses. <i>Applied Optics</i> , 2012 , 51, 1945-9	1.7	

187	Stimulated emission cross section of the $4F3/2 \rightarrow 4I11/2$ of Nd:GYSGG. <i>Laser Physics Letters</i> , 2012 , 9, 410-414	10
186	Watt-order output power at 638 nm in wavelength by direct oscillation with Pr-doped fiber laser. 2012 ,	2
185	Control System for a Bipolar Capacitor Bank of a High-Power Nd:Glass Laser Chain. 2012 , 40, 1898-1906	2
184	Think Outside the Fiber: Imaging Amplifier for Space-Multiplexed Optical Transmission. <i>IEEE Photonics Journal</i> , 2012 , 4, 1316-1324	1.8 5
183	Electrical conductivity measurement on DKDP Crystals with different deuterated degrees. 2012 , 109, 159-162	3
182	Scaling Q-switched microchip lasers for shortest pulses. 2012 , 109, 81-88	13
181	Low-power 100-ps microchip laser amplified by a two-stage Nd:YVO4 amplifier module. 2012 , 109, 659-662	12
180	Thermal mode-switching of a passively Q-switched microchip Nd:YAG laser. 2012 , 108, 261-268	2
179	Optimizing mode-to-pump ratio in end-pumped Nd:GdVO4 laser at 1342 nm considering the energy-transfer-upconversion. <i>Laser Physics</i> , 2012 , 22, 1655-1658	1.2 3
178	Scaling of high average power, short-pulse CO2 lasers. 2012 , 11, 021113-1	
177	Investigation of thermal lensing time constants in laser processing optics. 2012 ,	1
176	Faster and reliable joining of solar cells. 2012 , 9, 20-23	2
175	Nonlinear refractive index of vanadate crystals in the near IR region. 2012 , 78, 918-921	6
174	Theoretical and Experimental Study on the Intracavity Optical Parametric Oscillator Pumped in a Raman Laser. 2012 , 48, 581-587	5
173	A 40 W cw Nd:YAG solar laser pumped through a heliostat: a parabolic mirror system. <i>Laser Physics</i> , 2013 , 23, 065801	1.2 32
172	High-efficiency high-power QCW diode-side-pumped zigzag Nd:YAG ceramic slab laser. 2013 , 111, 111-116	16
171	Thermally induced diffraction losses for a Gaussian pump beam and optimization of the mode-to-pump ratio in an end-pumped Nd:GdVO4 laser. <i>Laser Physics</i> , 2013 , 23, 105002	1.2 6
170	Applicability of Graphene Flakes as Saturable Absorber for Bulk Laser Mode-Locking. 2013 , 6, 032704	4

169	Aberration compensation of laser mode using a novel intra-cavity adaptive optical system. 2013 , 124, 272-275		1
168	1 Hz fast-heating fusion driver HAMA pumped by a 10 J green diode-pumped solid-state laser. 2013 , 53, 073011		17
167	Investigation on stability of cascaded second order mode-locking. 2013 ,		
166	Exciting higher-order radial Laguerre-Gaussian modes in a diode-pumped solid-state laser resonator. <i>Applied Optics</i> , 2013 , 52, 2093-101	1.7	35
165	High-power Ti:sapphire laser at 820 nm for scanning ground-based water-vapor differential absorption lidar. <i>Applied Optics</i> , 2013 , 52, 2454-69	1.7	28
164	Reducing temperature dependence of the output energy of a quasi-continuous wave diode-pumped Nd:YAG laser. <i>Applied Optics</i> , 2013 , 52, 5967-73	1.7	6
163	A Short Review on Fluoride Laser Crystals Grown by Czochralski Method at IPEN. <i>Acta Physica Polonica A</i> , 2013 , 124, 286-294	0.6	6
162	Performance of a 967 nm CW diode end-pumped Er:GSGG laser at 2.79 μ m. <i>Laser Physics</i> , 2013 , 23, 055801.2	1.2	15
161	An all-fiber, polarized, core-pumped heat-resistant thulium-doped master oscillator power amplifier. <i>Laser Physics</i> , 2013 , 23, 085101	1.2	2
160	Optical rogue waves in an all-solid-state laser with a saturable absorber: importance of the spatial effects. 2013 , 15, 064004		22
159	Generation of Ince-Gaussian beams in highly efficient, nanosecond Cr, Nd:YAG microchip lasers. <i>Laser Physics Letters</i> , 2013 , 10, 085803	1.5	4
158	An important effect of filamentation instability on laser fusion physical processes. <i>High Power Laser Science and Engineering</i> , 2013 , 1, 110-122	4.3	7
157	33 W quasi-continuous-wave narrow-band sodium D 2a laser by sum-frequency generation in LBO. 2014 , 23, 094208		16
156	Compact Nd:YAG laser operating at 1.06, 1.32, and 1.44 μ m. 2014 ,		
155	Laser-induced breakdown spectroscopy (LIBS) analysis of laser processing in active crystal with nanosecond laser pulses. 2014 , 68, 475-82		1
154	Reduction of Focal Shift Effects in Industrial Laser Beam Welding by Means of Innovative Protection Glass Concept. 2014 , 56, 681-688		7
153	Particle size effects on yttrium aluminum garnet (YAG) phase formation by solid-state reaction. 2014 , 29, 2303-2311		33
152	Thermally Induced Beam Distortions in Sesquioxide Laser Ceramics of m3 Crystal Class Part I. 2014 , 50, 1061-1071		8

151	Infrared absorption and fluorescence properties of Ho-doped KPb ₂ Br ₅ . 2014 ,		
150	Multiline possibility of Nd:YAlO ₃ laser in spectral range 1.3-1.5 μ m. 2014 ,		2
149	Heat affected zones in polymer laser marking. 2014 , 115, 1427-1437		5
148	YVO ₄ /Nd:YVO ₄ /YVO ₄ self-Raman laser at 1,764 nm. 2014 , 116, 569-574		10
147	Gain measurement in a CW medium-power diode pumped Nd:YAG laser amplifier by ASE analysis. 2014 , 16, 015709		1
146	High average power passively Q-switched laser diode side-pumped green laser by using Nd:YAG/Cr ⁴⁺ :YAG/YAG composite crystal. 2014 , 26, 032009		10
145	Functional possibilities for forming different inverse population distributions in diode-side-pumped laser heads. 2014 , 44, 912-920		2
144	On the possibility of solid-state 946 nm Nd:YAG laser with high peak and average power development. 2014 ,		
143	700-kW-Peak-Power Monolithic Nanosecond Pulsed Fiber Laser. 2014 , 26, 1676-1678		8
142	Three methods for calculation of thermally induced beam distortions in laser ceramics. 2014 ,		
141	Gain broadening and mode-locking in overcoupled second harmonic Q-switched microsecond pulses. 2014 , 16, 105209		
140	Efficient delivery of 60 J pulse energy of long pulse Nd:YAG laser through 200 μ m core diameter optical fibre. 2014 , 82, 211-216		
139	A high-peak-power passively Q-switched composite variable-cut vanadate laser. <i>Laser Physics Letters</i> , 2014 , 11, 055003	1.5	2
138	Multiline generation capabilities of diode-pumped Nd:YAP and Nd:YAG lasers. <i>Laser Physics</i> , 2014 , 24, 035803	1.2	7
137	Compact passively Q-switched Raman laser at 1176 nm and yellow laser at 588 nm using Nd ³⁺ :YAG/Cr ⁴⁺ :YAG composite crystal. <i>Applied Optics</i> , 2014 , 53, 1328-32	1.7	17
136	Multiline generation capabilities of diode-pumped Nd:YAP and Nd:YAG lasers. 2014 , 497, 012011		3
135	A high energy nanosecond cryogenic cooled Yb:YAG active-mirror amplifier system. <i>High Power Laser Science and Engineering</i> , 2014 , 2,	4.3	2
134	All-fiber nonlinearity- and dispersion-managed dissipative soliton nanotube mode-locked laser. 2015 , 107, 241107		12

133	Optical properties of Pr ³⁺ , Ce ³⁺ , and Eu ³⁺ -doped ternary lead halides. 2015 ,		2
132	Active mode control of solid state laser using an intra-cavity beam shaper. 2015 ,		
131	Comparison of passively Q-switched laser performance of two composite Nd:YVO ₄ /Nd:YVO ₄ /Nd:YVO ₄ crystals with Cr ⁴⁺ :YAG saturable absorber. 2015 , 47, 1219-1225		1
130	A six-color four-laser mobile platform for multi-spectral fluorescence imaging endoscopy. 2015 ,		1
129	Thermal distortion analysis for silicon reflectors irradiated by high-power laser. 2015 ,		
128	5.5 W continuous-wave TEM ₀₀ -mode Nd:YAG solar laser by a light-guide/V-shaped pump cavity. 2015 , 121, 473-482		15
127	Thermally Induced Beam Distortions in Sesquioxide Laser Ceramics of m3 Crystal Class Part II. 2015 , 51, 1-8		5
126	Highly efficient end-side-pumped Nd:YAG solar laser by a heliostat-parabolic mirror system. <i>Applied Optics</i> , 2015 , 54, 1970-7	1.7	19
125	Power scaling of single-longitudinal-mode Nd:GdVO ₄ laser at 1342 nm. <i>Laser Physics</i> , 2015 , 25, 065003	1.2	3
124	A study of core Thomson scattering measurements in ITER using a multi-laser approach. 2015 , 55, 053024		14
123	Analytical model for temperature, stress and strain distribution inside a side-pumped Nd:YAG laser rod having a Gaussian pump profile. <i>Laser Physics</i> , 2015 , 25, 045001	1.2	5
122	Stable dual-wavelength Q-switched Nd:YAG laser using a two-step energy extraction technique. <i>Applied Optics</i> , 2015 , 54, 3032-42	1.7	2
121	Optical distortions in end-pumped zigzag slab lasers. <i>Applied Optics</i> , 2015 , 54, 2693-702	1.7	15
120	Low-loss selective excitation of higher-order modes in a diode-pumped solid-state digital laser. 2015 ,		1
119	Potential of a Class of Microchip Nd:Gd x Y _{1-x} VO ₄ Crystal Lasers for Short Laser Pulse Generation. <i>Journal of Russian Laser Research</i> , 2015 , 36, 371-376	0.7	1
118	Temporal compensation method of pulse distortion in saturated laser amplifiers. <i>Applied Optics</i> , 2015 , 54, 357	1.7	6
117	High energy single-frequency double-pulse hybrid MOPA system. <i>Laser Physics Letters</i> , 2015 , 12, 095004	1.5	1
116	Modal instability in high power solid-state lasers with an unstable cavity. 2015 , 341, 37-46		2

115	Identification of optical parameters for determination of radiance. 2015 , 44, 12-19		1
114	Design of High-Gain Single-Stage and Single-Pass Nd:YVO4 Amplifier Pumped by Fiber-Coupled Laser Diodes: Simulation and Experiment. 2016 , 52, 1-10		12
113	Determination of the zero-position for an optical angle sensor. 2016 , 10, JAMDSM0072-JAMDSM0072		6
112	Inhomogeneous line shape broadening of glass laser and improvement of the line shape by crystallization. 2016 ,		
111	Efficient Nd:YAG based solar pumped single mode laser. 2016 ,		1
110	Yb doping concentration and temperature influence on Yb:LuAG thermal lensing. 2016 ,		1
109	High-gain Yb:YAG amplifier for ultrashort pulse laser at high-average power. 2016 ,		
108	Cryogenic nanosecond and picosecond high average and peak power (HAPP) pump lasers for ultrafast applications. <i>High Power Laser Science and Engineering</i> , 2016 , 4,	4-3	9
107	Active modulation of laser coded systems using near infrared video projection system based on digital micromirror device (DMD). 2016 ,		1
106	High-gain multipassed Yb:YAG amplifier for ultrashort pulse laser. 2016 ,		
105	Thermal lensing in Nd:YVO4 laser with in-band pumping at 914 nm. 2016 , 122, 1		22
104	A new high-performance sideband-separating mixer for 650GHz. 2016 ,		1
103	Applications of Inorganic Photonic Glasses. 2016 , 261-310		
102	Pulsed Pumping for Pulsewidth Tunable Nanosecond Ytterbium-Doped Fiber Laser. 2016 , 28, 2842-2845		4
101	Simulation, Design and Fabrication of transverse diode-pumped Nd:YAG Solid-State Laser with 1.08 Beam Quality Factor. 2016 , 40, 233-236		
100	Enhancement of 1.5 μm emission under 980 nm resonant excitation in Er and Yb co-doped GaN epilayers. 2016 , 109, 152103		7
99	Development of high damage threshold laser-machined apodizers and gain filters for laser applications. <i>High Power Laser Science and Engineering</i> , 2016 , 4,	4-3	6
98	Microchip laser based on Yb:YAG/V:YAG monolith crystal. 2016 ,		2

97	LD pumped passively Q-switched ceramic Nd:YAG 946 nm laser with a high peak power output. 2016 , 48, 1		3
96	Analysis of the thermal effects in diode-pumped Tm:YAG ceramic slab lasers. <i>Laser Physics</i> , 2017 , 27, 035803	1.2	3
95	Compact Nd:YAG laser operating at 1.06, 1.32, and 1.44 μm for dental caries effective disinfection. 2017 ,		
94	Short-pulse MOPA fiber laser with kilowatt average power and multi-megawatt peak power, applying advanced XLMA fiber amplifiers. 2017 ,		6
93	Laser Ablation of Sub-10 nm Silver Nanoparticles. 2017 , 121, 9552-9559		4
92	A stable, power scaling, graphene-mode-locked all-fiber oscillator. 2017 , 110, 243102		5
91	Stored energy and gain lasing in an edge-pumped ceramic Yb:YAG disk laser under intense pumping. 2017 ,		
90	Alexandrite spectroscopic and laser characteristic investigation within a 7800 K temperature range. <i>Laser Physics</i> , 2017 , 27, 115801	1.2	12
89	Excitation and emission mechanisms of Er:GaN gain medium in 1.5 μm region. 2017 , 111, 072109		6
88	Comprehensive analysis of heat generation and efficient measurement of fractional thermal loading in a solid-state laser medium. <i>Laser Physics</i> , 2017 , 27, 125002	1.2	0
87	Idler-resonant intracavity KTA-based OPO pumped by a dual-loss modulated-Q-switched-laser with AOM and Cr ⁴⁺ :YAG. 2017 , 123, 1		0
86	Scaling of Yb-doped photonic crystal fiber to 200 μm core diameter for high beam quality laser output. 2017 , 26, 054212		
85	Thermo-optical and lasing characteristics of Cr ²⁺ -doped CdSe single crystal as tunable coherent source in the mid-infrared. 2017 , 7, 3815		15
84	Picosecond Optical Pulse Generation by Nonlinear Mirror Mode-Locking: A Review. 2017 , 10, 1-11		
83	Low-threshold, nanosecond, high-repetition-rate vortex pulses with controllable helicity generated in Cr,Nd:YAG self-Q-switched microchip laser. <i>Laser Physics</i> , 2018 , 28, 055802	1.2	5
82	A quantitative thermal and thermomechanical analysis for design optimization and robustness assessment of microassembled high power Yb:CaF ₂ thin-disk Laser. <i>Optics and Laser Technology</i> , 2018 , 105, 229-241	4.2	0
81	Modeling and Simulation of Solid-State Lasers: From Mathematics to Industrial Application. 2018 , 18, e201800215		
80	Embedded Control System for Flash Lamp Pumped Solid-State Nd:Glass LASER Power Supply. 2018 ,		0

79	Properties of Species Profiles during Oxygen Chemical Diffusion in Oxides. 2018 , 383, 153-158		
78	Linear polarization output performance of Nd:YAG laser at 946 nm considering the energy-transfer upconversion. 2018 , 27, 074211		1
77	Numerical investigation on the spectral and temporal characteristics of amplified spontaneous emission in chirped pulse regenerative amplifiers. 2019 , 125, 1		
76	A 1 kHz Fe:ZnSe Laser Gain-Switched by a ZnGeP2 Optical Parametric Oscillator at 77 K. 2019 , 36, 074201		1
75	Lasers and Amplifiers. 2019 , 199-232		
74	24 mJ Cr:forsterite four-stage master-oscillator power-amplifier laser system for high resolution mid-infrared spectroscopy. <i>Review of Scientific Instruments</i> , 2019 , 90, 093002	1.7	5
73	Pulse amplification in a Cr ⁴⁺ :forsterite single longitudinal mode (SLM) multi-pass amplifier. <i>Laser Physics</i> , 2019 , 29, 065801	1.2	3
72	Asymmetric behavior of threshold pump power of Nd:YAG diode end-pumped laser in critical cavity configurations. <i>Laser Physics Letters</i> , 2019 , 16, 035001	1.5	1
71	A 6.5 ns gain-switched electro-optical Q-switched Nd:YAG laser by 885 nm laser diode pulsed-end pumping. <i>Laser Physics Letters</i> , 2019 , 16, 045001	1.5	3
70	High-power, Joule-class, temporally shaped multi-pass ring laser amplifier with two Nd:glass laser heads. <i>High Power Laser Science and Engineering</i> , 2019 , 7,	4.3	16
69	4.55 kW LD end-pumped Nd:YAG surface gain slab laser. <i>Laser Physics</i> , 2019 , 29, 016101	1.2	2
68	Electronics Design Scheme for Athermal Diode Pumped Laser Target Designator. <i>Springer Proceedings in Physics</i> , 2021 , 411-414	0.2	
67	Nanosecond Self-Q-Switching Nd:Luag Laser With High Repetition Rate. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-8	1.8	0
66	Stable 1318 nm emission from compact Nd:YAG/V:YAG Q-switched laser. 2021 ,		
65	Solar Pumping of Fiber Lasers with Solid-State Luminescent Concentrators: Design Optimization by Ray Tracing. <i>Advanced Optical Materials</i> , 2021 , 9, 2100479	8.1	1
64	A Compact Solar Laser Side-Pumping Scheme Using Four Off-Axis Parabolic Mirrors. <i>Journal of Russian Laser Research</i> , 2021 , 42, 453-461	0.7	1
63	Thermal shock and fatigue lifetime characteristics of ceramic Nd:YAG. <i>Applied Optics</i> , 2021 , 60, 6170-6176		
62	Simulation and compensation of thermal lensing in high power optical systems. 2021 ,		

61	Performance of Ceramic 1.1% Nd:YAG Based Diode Pumped Laser Resonator. <i>Springer Proceedings in Physics</i> , 2021 , 433-436	0.2	
60	54 W nanosecond Yb-doped all-fiber amplifier at ultra-high repetition rate (tens of MHz) based on mode-locked fiber oscillator and single-mode fiber stretcher. <i>Laser Physics</i> , 2021 , 31, 025101	1.2	0
59	Erbium-doped GaN bulk crystals as a gain medium for eye-safe high energy lasers. 2018 ,		1
58	Dynamic mode analysis with arbitrary rate equations. 2018 ,		1
57	Laser Technology Development for High Peak Power Lasers Achieving Kilowatt Average Power and Beyond. 2019 ,		7
56	Propagation of Spatial Solitons with Nonlinear Kerr Effect in Thermal Medium. <i>Acta Physica Polonica A</i> , 2007 , 112, 891-896	0.6	3
55	Broadband second-harmonic and sum-frequency generation with a long-wave infrared laser in AgGaGeSe. <i>Applied Optics</i> , 2020 , 59, 5247-5251	1.7	2
54	Assessment of Laser Transmission Mirror Materials for ITER Edge Thomson Scattering Diagnostics. <i>Plasma and Fusion Research</i> , 2008 , 3, 032-032	0.5	9
53	1TW, 10 Hz and 0.1TW, 1 kHz All-Solid-State Femtosecond Lasers. <i>The Review of Laser Engineering</i> , 2006 , 34, 610-615	0	2
52	Reference process for determination of thermal focus shift. 2011 ,		3
51	Der Laser als spektroskopische Lichtquelle. 2000 , 170-281		
50	Zeitaufgelöste Laserspektroskopie. 2000 , 473-530		
49	Q-switched, injection-seeded, single-frequency, Yb:YAG disk laser. 2002 ,		
48	Quantum-Defect-Limited Operation of Diode-Pumped Yb:YAG Laser at Low Temperature. 2004 ,		
47	Laser Physics.		
46	Use of Intracavity Adaptive Optics in Solid-State Lasers Operation at 1 μ m. <i>Springer Proceedings in Physics</i> , 2005 , 217-227	0.2	1
45	Pulse Compression.		
44	Fiber Lasers and Amplifiers: High-Power Operation.		

43	All-solid-state terawatt femtosecond laser on collaboration of regional entities for the advancement of technological excellence. <i>The Review of Laser Engineering</i> , 2006 , 34, 32-33		0
42	High Repetition and High Power Lasers for EUV Light Source. <i>The Review of Laser Engineering</i> , 2008 , 36, 708-714		0
41	Transient laser brightness enhancement using a large-stroke bimorph mirror. 2008 ,		
40	Solid-State Conical Refraction Laser. 2009 ,		
39	The Analytical Calculation of Temperature-Dependent Propagation Constant, V No. and Waveguide Dispersion in Super-Gaussian Diode-Pumped Fiber Lasers. <i>Acta Physica Polonica A</i> , 2009 , 116, 525-527	0.6	
38	Calculation of Temperature Distribution in Eccentric Multi Core Diode Pumped Fiber Lasers by Green Function Method. <i>Acta Physica Polonica A</i> , 2009 , 116, 566-569	0.6	
37	400W Resonantly Pumped Cryogenic Er:YAG Slab Laser at 1645nm. 2010 ,		
36	Volume Bragg Grating-Based 70 nm Tunable and Narrow Output Spectra from a Ti:sapphire Laser. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 092701	1.4	1
35	Theoretical Analysis of the Output of a Diode Face-Pumped Nd:YVO4 Slab Laser with Periodic Gain. <i>Applied Physics</i> , 2012 , 02, 153-158	0.1	
34	In the Jewelry, Brazing and Laser Welding with Parameter Optimization. <i>Archives of Metallurgy and Materials</i> , 2012 , 57, 525-537		
33	Output Characteristic of a Flashlamp Pumped Nd:YAG Laser at 1,414 nm and 1,444 nm. <i>Medical Lasers</i> , 2012 , 1, 34-39	0.6	
32	Three-dimensional thermal effects of the diode-pumped Nd:YVO4 slab. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 024210	0.6	3
31	Effect of raster scan number on damage resistance of KDP crystal irradiated by ultraviolet pulse laser. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 147803	0.6	1
30	Specific Laser Technologies Applicable for Orthogonally Polarized Beam Generation. 61-80		
29	High-Power Thin-Disk Resonator and Gain Medium. <i>Springer Theses</i> , 2014 , 21-32	0.1	
28	Main Operating Regimes of Fiber Lasers. <i>Springer Series in Optical Sciences</i> , 2014 , 99-132	0.5	
27	Laser Examples and Their Applications. <i>Graduate Texts in Physics</i> , 2014 , 105-166	0.3	
26	Generation of Short and Ultra-Short Pulses. <i>Graduate Texts in Physics</i> , 2014 , 75-103	0.3	0

- 25 Diode-side-pumped monolithic Nd:YAG slab laser. **2017**,
- 24 High-Power Neodymium Lasers. **2017**, 233-258
- 23 Halbleiterlaser (semiconductor lasers). **2018**, 307-350
- 22 Inertial Fusion. *Graduate Texts in Physics*, **2018**, 345-412 0.3
- 21 How to harvest efficient laser from solar light. **2018**, 1
- 20 Laser spectroscopy of highly doped NV- centers in diamond. **2018**, 2
- 19 3D ray tracing model for laser beams influenced by thermal lensing in solid-state gain media. **2018**,
- 18 Main Operating Regimes of Fiber Lasers. *Springer Series in Optical Sciences*, **2019**, 105-143 0.5
- 17 Quasi-continuous-wave long-pulsed, all-solid-state Nd:YAG modeless laser. **2019**,
- 16 Polarization ray tracing in thermally loaded solid-state laser crystals. *Journal of the Optical Society of America B: Optical Physics*, **2020**, 37, 1933 1.7 0
- 15 Nonlinear Optical Properties of Laser Crystals and Their Applications. *Springer Series in Materials Science*, **2020**, 345-384 0.9
- 14 Neue Laser. **2005**, 259-266
- 13 Zeitaufgelöste Laserspektroskopie. **2007**, 433-494
- 12 Der Laser als spektroskopische Lichtquelle. **2007**, 149-250
- 11 High-Melting Rare-Earth Sesquioxides: Y₂O₃, Lu₂O₃, and Sc₂O₃. **2007**, 187-202
- 10 Thermal lens in diode-pumped square-section rods of Nd-doped phosphate glass and 0.5%Nd:5%Lu:CaF crystal: simulations and experiments. *Applied Optics*, **2020**, 59, 9905-9911 0.2 0
- 9 32 W TEM₀₀-Mode Side-Pumped Solar Laser Design. *Applied Solar Energy (English Translation of Geliotekhnika)*, **2020**, 56, 449-457 1.3 0
- 8 Quasi-Gaussian Multibeam Solar Laser Station for a Megawatt Solar Furnace. 8, 11-20 0

7	A large, high-gain, 400mm single-aperture slab amplifier with 20kJ laser output. <i>Optics and Laser Technology</i> , 2022 , 152, 108123	4.2	o
6	Doped high-entropy glassy materials to create optical coherence from maximally disordered systems. <i>Light: Science and Applications</i> , 2022 , 11,	16.7	
5	High-power tunable single wavelength and power-ratio-controllable dual wavelength operation at 1319 nm and 1338 nm in a Q-switched Nd:YAG laser. <i>Photonics Research</i> ,	6	o
4	Appendix D: Literature references for further reading. 2022 , 523-524		
3	Theoretical analysis of 60-W solar-pumped singlecrystal fiber laser.		o
2	Perspective Chapter: Effect of Laser Key Parameters on the Ignition of Boron Potassium Nitrate with a Changing Working Distance.		o
1	Seven-Rod Pumping Concept for Highly Stable Solar Laser Emission. 2022 , 15, 9140		2