

Thomas Graf

List of Publications by Year in descending order

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560
papers

27,779
citations

4955

84
h-index

7511

151
g-index

579
all docs

579
docs citations

579
times ranked

22033
citing authors

#	ARTICLE	IF	CITATIONS
1	High-power thin-disk lasers emitting beams with axially-symmetric polarizations. <i>Nanophotonics</i> , 2022, 11, 835-846.	2.9	6
2	Friction and Wear Behavior of Deep Drawing Tools Using Volatile Lubricants Injected Through Laser-Drilled Micro-Holes. <i>Jom</i> , 2022, 74, 826-836.	0.9	4
3	Nonlinear absorption in lithium triborate frequency converters for high-power ultrafast lasers. <i>Optics Express</i> , 2022, 30, 5423.	1.7	5
4	Thin-disk multipass amplifier delivering sub-400 fs pulses with excellent beam quality at an average power of 1â€¦kW. , 2022, 1, 747.		10
5	High-speed x-ray imaging of the melt flow during laser beam cutting. , 2022, , .		0
6	Influence of high feed rates during laser beam welding on the capillary geometry and the resulting weld seam quality. , 2022, , .		3
7	Comprehensive theoretical analysis of the period chirp in laser interference lithography. <i>Applied Optics</i> , 2022, 61, 2313.	0.9	7
8	Influence of Pulse Duration on X-ray Emission during Industrial Ultrafast Laser Processing. <i>Materials</i> , 2022, 15, 2257.	1.3	7
9	High-power, high-brightness solid-state laser architectures and their characteristics. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	1.1	23
10	High-power quasi-CW diode-pumped 750-nm AlGaAs VECSEL emitting a peak power of 29.6â€¦W and an average power of 8.5â€¦W. <i>Optics Letters</i> , 2022, 47, 1980.	1.7	3
11	Process limits for percussion drilling of stainless steel with ultrashort laser pulses at high average powers. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	8
12	Analytical Model for the Depth Progress during Laser Micromachining of V-Shaped Grooves. <i>Micromachines</i> , 2022, 13, 870.	1.4	4
13	Intra-cavity wavelength multiplexing of high-brightness thin-disk laser beams. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, .	1.1	0
14	Materialbearbeitung mit Laser. , 2022, , .		7
15	Additive Verfahren. , 2022, , 415-454.		1
16	Design, production, and characterization of specialty optical fibers at the IFSW. <i>PhotonicsViews</i> , 2022, 19, 47-51.	0.1	0
17	Coherent beam combining â€“ unlimited flexibility in laser material processing. <i>PhotonicsViews</i> , 2022, 19, 60-63.	0.1	1
18	Design of grating waveguide structures for pulsed laser systems. <i>PhotonicsViews</i> , 2022, 19, 56-59.	0.1	1

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19	Ultrafast laser applications in the kW class. <i>PhotonicsViews</i> , 2022, 19, 40-46.	0.1	1
20	Process limit imposed by the occurrence of undercuts during high-speed laser welding. <i>Journal of Laser Applications</i> , 2022, 34, .	0.8	4
21	Geometry and stability of the capillary during deep-penetration laser welding of AlMgSi at high feed rates. <i>Optics and Laser Technology</i> , 2021, 133, 106562.	2.2	23
22	Atomistic simulation of ultra-short pulsed laser ablation of metals with single and double pulses: An investigation of the re-deposition phenomenon. <i>Applied Surface Science</i> , 2021, 537, 147775.	3.1	19
23	Scan path strategy for laser processing of fragmented geometries. <i>Optics and Lasers in Engineering</i> , 2021, 138, 106412.	2.0	6
24	Increasing the efficiency of the intra-cavity generation of ultra-short radially polarized pulses in thin-disk resonators with grating waveguide structures. <i>OSA Continuum</i> , 2021, 4, 262.	1.8	2
25	Measuring the $\hat{\mu}$ -particle charge radius with muonic helium-4 ions. <i>Nature</i> , 2021, 589, 527-531.	13.7	62
26	SESAM mode-locked Yb:YAB thin-disk oscillator delivering an average power of 19 W. <i>Optics Letters</i> , 2021, 46, 912.	1.7	2
27	Evidence for additive and synergistic action of mammalian enhancers during cell fate determination. <i>ELife</i> , 2021, 10, .	2.8	64
28	Influence of a closed-loop controlled laser metal wire deposition process of S Al 5356 on the quality of manufactured parts before and after subsequent machining. <i>Production Engineering</i> , 2021, 15, 489-507.	1.1	12
29	Analytical Description of the Criterion for the Columnar-To-Equiaxed Transition During Laser Beam Welding of Aluminum Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 2720-2731.	1.1	5
30	Process monitoring based on plasma emission for power-modulated glass welding with bursts of subpicosecond laser pulses. <i>Applied Optics</i> , 2021, 60, 3526.	0.9	4
31	Analytical model for the depth progress of percussion drilling with ultrashort laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	16
32	Synchrotron X-ray Analysis of the Influence of the Magnesium Content on the Absorptance during Full-Penetration Laser Welding of Aluminum. <i>Metals</i> , 2021, 11, 797.	1.0	7
33	Image processing based detection of the fibre orientation during depth-controlled laser ablation of CFRP monitored by optical coherence tomography. <i>Materials and Design</i> , 2021, 203, 109567.	3.3	8
34	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.	1.7	2
35	Thin-disk multi-pass amplifier delivering azimuthally polarized ultra-short pulses with an average power of 1.74 kW. , 2021, , .		0
36	High-Power Quasi-CW Diode-Pumped 750 nm VECSEL Emitting a Peak Power of 29.6 W and an Average Power of 8.5 W. , 2021, , .		0

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37	Dynamics of alternative splicing during somatic cell reprogramming reveals functions for RNA-binding proteins CPSF3, hnRNP UL1, and TIA1. <i>Genome Biology</i> , 2021, 22, 171.	3.8	12
38	Highly stable thin-disk multipass amplifier delivering 1kW of average output power with excellent beam quality. , 2021, , .		0
39	Towards the Multi-kW Ultrafast Green Thin-Disk Laser. , 2021, , .		0
40	kW-class ceramic Yb:Lu ₂ O ₃ thin disk laser. , 2021, , .		0
41	Azimuthally polarized picosecond vector beam with 1.7 kW of average output power. <i>Optics Letters</i> , 2021, 46, 3492.	1.7	9
42	High-quality percussion drilling with ultrashort laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	5
43	Analysis and optimization of the piercing process in laser beam cutting by means of high-speed X-ray imaging. <i>Journal of Manufacturing Processes</i> , 2021, 69, 303-310.	2.8	1
44	Process Window for Highly Efficient Laser-Based Powder Bed Fusion of AlSi10Mg with Reduced Pore Formation. <i>Materials</i> , 2021, 14, 5255.	1.3	11
45	Investigations on the Process Stability of Dry Deep Drawing with Volatile Lubricants Injected Through Laser-Drilled Microholes. <i>Minerals, Metals and Materials Series</i> , 2021, , 230-246.	0.3	2
46	A Universal Machine: Enabling Digital Manufacturing with Laser Technology. <i>Arena2036</i> , 2021, , 386-393.	0.8	3
47	Closed-loop controlled compensation of thermal lensing in high-power thin-disk lasers using spherically deformable mirrors. <i>Laser Physics Letters</i> , 2021, 18, 025002.	0.6	0
48	High-quality high-throughput silicon laser milling using a 1 kW sub-picosecond laser. <i>Optics Letters</i> , 2021, 46, 384.	1.7	19
49	High-power ultrafast thin-disk multipass amplifiers for efficient laser-based manufacturing. <i>Advanced Optical Technologies</i> , 2021, 10, 285-295.	0.9	4
50	The challenges of productive materials processing with ultrafast lasers. <i>Advanced Optical Technologies</i> , 2021, 10, 239-245.	0.9	6
51	Post-processing of additively manufactured metal parts by ultrashort laser pulses for high-quality net shape geometries and advanced functionality. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1135, 012005.	0.3	2
52	Influence of the laser cutting front geometry on the striation formation analysed with high-speed synchrotron X-ray imaging. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1135, 012009.	0.3	13
53	Ceramic Yb:Lu ₂ O ₃ thin-disk laser oscillator delivering an average power exceeding 1 kW in continuous-wave operation. <i>Optics Letters</i> , 2021, 46, 6063.	1.7	7
54	Reduced finite-volume model for the fast numerical calculation of the fluid flow in the melt pool in laser beam welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1135, 012010.	0.3	0

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55	Influence of the solidification path of AlMgSi aluminium alloys on the critical strain rate during remote laser beam welding. Science and Technology of Welding and Joining, 2020, 25, 101-105.	1.5	5
56	Ti:sapphire thin-disk laser symmetrically cooled by curved single crystal diamond heat spreaders. Laser Physics Letters, 2020, 17, 015802.	0.6	1
57	Direct amplification of sub-300Âfs pulses in a versatile thin-disk multipass amplifier. Optics Communications, 2020, 460, 125159.	1.0	7
58	Direct laser interference patterning of stainless steel by ultrashort pulses for antibacterial surfaces. Optics and Laser Technology, 2020, 123, 105954.	2.2	53
59	Towards adaptive high-power lasers: Model-based control and disturbance compensation using moving horizon estimators. Mechatronics, 2020, 71, 102441.	2.0	8
60	High-Speed X-Ray Investigation of Pore Formation during Full Penetration Laser Beam Welding of AA6016 Aluminum Sheets Contaminated with Lubricants. Applied Sciences (Switzerland), 2020, 10, 2077.	1.3	9
61	Automated free-space beam delivery system for ultrafast laser beams in the kW regime. Procedia CIRP, 2020, 94, 951-956.	1.0	0
62	Influence of the process parameters on the absorptance during Laser-Based Powder Bed Fusion of AlSi10Mg. Procedia CIRP, 2020, 94, 173-176.	1.0	7
63	The influence of residual stresses on laser beam welding processes of aluminium sheets. Procedia CIRP, 2020, 94, 713-717.	1.0	2
64	Geometry and absorptance of the cutting fronts during laser beam cutting. Journal of Laser Applications, 2020, 32, .	0.8	18
65	Amplification of radially polarized ultra-short pulsed radiation to average output powers exceeding 250 W in a compact single-stage Yb:YAG single-crystal fiber amplifier. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	13
66	Numerical analysis of the effect of residual stresses in formed aluminum sheet metal parts on the hot crack formation during laser beam welding. Procedia CIRP, 2020, 94, 708-712.	1.0	1
67	Benefit of high feed rates on the process efficiency in laser beam welding. Procedia CIRP, 2020, 94, 718-721.	1.0	4
68	Transition from Stable Laser Fusion Cutting Conditions to Incomplete Cutting Analysed with High-speed X-ray Imaging. Journal of Manufacturing Processes, 2020, 60, 470-480.	2.8	10
69	Numerical analysis and semi-analytical prediction of the depth of holes drilled with combined ms and ns laser pulses. Journal of Applied Physics, 2020, 127, 213101.	1.1	4
70	Influence of the duration of elevated temperatures caused by laser micro welding on the thermal damage in printed circuit boards. Journal of Laser Applications, 2020, 32, .	0.8	2
71	Modelling of natural convection in thin-disk lasers. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	12
72	Position sensing of ultrashort pulsed laser-welded seams in glass by optical coherence tomography. Journal of Laser Applications, 2020, 32, 022003.	0.8	6

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73	Resonant Waveguide Gratings – Versatile Devices for Laser Engineering. PhotonicsViews, 2020, 17, 50-55.	0.1	1
74	Thrust enhancement and propellant conservation for laser propulsion using ultra-short double pulses. Applied Surface Science, 2020, 510, 145391.	3.1	18
75	Investigation of laser damage of grating waveguide structures submitted to sub-picosecond pulses. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	7
76	Local Vaporization at the Cut Front at High Laser Cutting Speeds. Lasers in Manufacturing and Materials Processing, 2020, 7, 190-206.	1.2	10
77	Dry Metal Forming Using Volatile Lubricants Injected into the Forming Tool Through Flow-Optimized, Laser-Drilled Microholes. Jom, 2020, 72, 2517-2524.	0.9	12
78	Advances in Dry Metal Forming Using Volatile Lubricants Injected Through Laser-Drilled Microholes. Minerals, Metals and Materials Series, 2020, , 1979-1991.	0.3	3
79	Transcriptional activation during cell reprogramming correlates with the formation of 3D open chromatin hubs. Nature Communications, 2020, 11, 2564.	5.8	41
80	Process regimes during welding of glass by femtosecond laser pulse bursts. Applied Optics, 2020, 59, 6452.	0.9	8
81	Reproducible process regimes during glass welding by bursts of subpicosecond laser pulses. Applied Optics, 2020, 59, 11382.	0.9	6
82	Ultrafast green thin-disk laser exceeding 14 W of average power. Optics Letters, 2020, 45, 5522.	1.7	25
83	High-quality net shape geometries from additively manufactured parts using closed-loop controlled ablation with ultrashort laser pulses. Advanced Optical Technologies, 2020, 9, 101-110.	0.9	13
84	10.2351/7.0000024.1. , 2020, , .		0
85	Resonant Waveguide Gratings enable advanced designs of laser resonators. , 2020, , .		0
86	High-precision laser ablation using OCT closed-loop control. , 2020, , .		1
87	Analysis of material concentration in step-index fibers with alumina cores produced by means of the powder-in-tube technique. Optics Express, 2020, 28, 28283.	1.7	0
88	Phase Shift Induced Degradation of Polarization Caused by Bends in Inhibited-Coupling Guiding Hollow-Core Fibers. IEEE Photonics Technology Letters, 2019, 31, 1362-1365.	1.3	6
89	Ti:Sapphire Thin-Disk Laser with Plano-Convex-Shaped Single-Crystal Diamond Heat Spreaders. , 2019, , .		0
90	Thin-Disk Laser Emitting Beams with 980 W of CW-Output Power and Radial Polarization. , 2019, , .		0

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91	Thin-Disk Multipass Amplifier Delivering Radially Polarized Ultrafast Pulses with an Average Output Power of 1 kW. , 2019, , .		1
92	A 290 W Radially Polarized Output Power from a Single-Stage Single-Crystal Yb:YAG Amplifier. , 2019, , .		0
93	Preserving Nearly Diffraction-Limited Beam Quality Over Several Hundred Meters of Transmission Through Highly Multimode Fibers. Journal of Lightwave Technology, 2019, 37, 4260-4267.	2.7	18
94	Expected X-ray dose rates resulting from industrial ultrafast laser applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	23
95	Analytical Description of the Influence of the Welding Parameters on the Hot Cracking Susceptibility of Laser Beam Welds in Aluminum Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 5174-5180.	1.1	9
96	Lubricant-free deep drawing using CO ₂ and N ₂ as volatile media injected through laser-drilled microholes. Manufacturing Review, 2019, 6, 11.	0.9	8
97	High-speed x-ray imaging system for the investigation of laser welding processes. Journal of Laser Applications, 2019, 31, .	0.8	11
98	Single-pass laser separation of 8Åmm thick glass with a millijoule picosecond pulsed Gaussianâ€Bessel beam. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	19
99	Transcription Factor Stoichiometry Drives Cell Fate: Single-Cell Proteomics to the Rescue. Cell Stem Cell, 2019, 24, 673-674.	5.2	9
100	Statistical evaluation method to determine the laser welding depth by optical coherence tomography. Optics and Lasers in Engineering, 2019, 119, 56-64.	2.0	34
101	Explicit analytical expressions for the influence of welding parameters on the grain structure of laser beam welds in aluminium alloys. Materials and Design, 2019, 174, 107791.	3.3	24
102	Scaling the productivity of laser structuring processes using picosecond laser pulses at average powers of up to 420â€%W to produce superhydrophobic surfaces on stainless steel AISI 316L. Scientific Reports, 2019, 9, 1933.	1.6	28
103	On compensating thermal lensing in high-power lasers using intra-cavity deformable mirrors. IFAC-PapersOnLine, 2019, 52, 1-6.	0.5	1
104	Energy-optimal disturbance feedforward control for constrained deformable mirrors with thermoelastic actuation. , 2019, , .		0
105	Numerical study of the dynamics of the hole formation during drilling with combined ms and ns laser pulses. Optics and Laser Technology, 2019, 112, 8-19.	2.2	28
106	Influence of the Real Geometry of the Laser Cut Front on the Absorbed Intensity and the Gas Flow. Lasers in Manufacturing and Materials Processing, 2019, 6, 1-13.	1.2	7
107	Reduction of the hot cracking susceptibility of laser beam welds in AlMgSi alloys by increasing the number of grain boundaries. Science and Technology of Welding and Joining, 2019, 24, 313-319.	1.5	33
108	Entwurf deformierbarer Spiegel fÃ¼r den Einsatz in Hochleistungslasern. TM Technisches Messen, 2019, 86, 121-130.	0.3	2

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109	Flexible Sub-1 ps Ultrafast Laser Exceeding 1 kW of Output Power for High-Throughput Surface Structuring. , 2019, , .		3
110	Ultrafast thin-disk multipass laser amplifier scheme avoiding misalignment induced by natural convection of the ambient air. Optical Engineering, 2019, 58, 1.	0.5	1
111	Shielding effects and re-deposition of material during processing of metals with bursts of ultra-short laser pulses. Applied Surface Science, 2018, 440, 926-931.	3.1	74
112	Hoxb5, a Trojan horse to generate T cells. Nature Immunology, 2018, 19, 210-212.	7.0	6
113	Residual heat generated during laser processing of CFRP with picosecond laser pulses. Advanced Optical Technologies, 2018, 7, 157-163.	0.9	7
114	OneD: increasing reproducibility of Hi-C samples with abnormal karyotypes. Nucleic Acids Research, 2018, 46, e49-e49.	6.5	50
115	On the double peak structure of avalanche photodiode response to monoenergetic x-rays at various temperatures and bias voltages. Journal of Instrumentation, 2018, 13, C01033-C01033.	0.5	1
116	Fundamental investigations on the spiking mechanism by means of laser beam welding of ice. Journal of Laser Applications, 2018, 30, .	0.8	12
117	Heat accumulation between scans during multi-pass cutting of carbon fiber reinforced plastics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	7
118	Transcription factors orchestrate dynamic interplay between genome topology and gene regulation during cell reprogramming. Nature Genetics, 2018, 50, 238-249.	9.4	295
119	Strain signatures associated to the formation of hot cracks during laser beam welding of aluminum alloys. Optics and Lasers in Engineering, 2018, 100, 131-140.	2.0	23
120	Lubricant-free deep drawing using CO2 and N2 as volatile media injected through laser-drilled microholes. MATEC Web of Conferences, 2018, 190, 14007.	0.1	2
121	The next generation of laser spectroscopy experiments using light muonic atoms. Journal of Physics: Conference Series, 2018, 1138, 012010.	0.3	19
122	In-process determination of fiber orientation for layer accurate laser ablation of CFRP. Procedia CIRP, 2018, 74, 557-561.	1.0	8
123	Heat accumulation controlled surface functionalization of stainless steel with structuring rates up to 500 mm2/s. Procedia CIRP, 2018, 74, 324-327.	1.0	5
124	Modulation of the local grain structure in laser beam welds to inhibit the propagation of centerline hot cracks. Procedia CIRP, 2018, 74, 434-437.	1.0	8
125	Self-restraint hot cracking test for aluminum alloys using digital image correlation. Procedia CIRP, 2018, 74, 430-433.	1.0	9
126	Optimization of the solidification conditions by means of beam oscillation during laser beam welding of aluminum. Materials and Design, 2018, 160, 1178-1185.	3.3	97

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127	Weld Seam Geometry and Electrical Resistance of Laser-Welded, Aluminum-Copper Dissimilar Joints Produced with Spatial Beam Oscillation. <i>Metals</i> , 2018, 8, 510.	1.0	28
128	Prediction of the surface structures resulting from heat accumulation during processing with picosecond laser pulses at the average power of 420W. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	24
129	Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. <i>Cell Stem Cell</i> , 2018, 23, 727-741.e9.	5.2	156
130	Benefits of very high feed rates for laser beam welding of AlMgSi aluminum alloys. <i>Journal of Laser Applications</i> , 2018, 30, .	0.8	16
131	Reduction of pores by means of laser beam oscillation during remote welding of AlMgSi. <i>Optics and Lasers in Engineering</i> , 2018, 108, 68-77.	2.0	111
132	Estimation of the depth limit for percussion drilling with picosecond laser pulses. <i>Optics Express</i> , 2018, 26, 11546.	1.7	30
133	Radially polarized passively mode-locked thin-disk laser oscillator emitting sub-picosecond pulses with an average output power exceeding the 100 W level. <i>Optics Express</i> , 2018, 26, 4401.	1.7	12
134	Thin-disk oscillator delivering radially polarized beams with up to 980W of CW output power. <i>Optics Letters</i> , 2018, 43, 1371.	1.7	13
135	Modellierung optisch adressierter Spiegel für adaptive Hochleistungslaser. <i>Automatisierungstechnik</i> , 2018, 66, 506-520.	0.4	1
136	The ultrafast laser is gearing up to become a tool for high-precision mass production – opportunities and challenges. <i>Advanced Optical Technologies</i> , 2018, 7, 127-128.	0.9	1
137	Modeling and simulating the thermoelastic deformation of mirrors using transient multilayer models. <i>Mechatronics</i> , 2018, 53, 168-180.	2.0	9
138	Exploiting nonlinear spectral broadening in a 400 W Yb:YAG thin-disk multipass amplifier to achieve 2 mJ pulses with sub-150 fs duration. <i>Optics Communications</i> , 2018, 429, 180-188.	1.0	19
139	Trimming method for a high-yield manufacturing of high-efficiency diffraction gratings. <i>Optics Letters</i> , 2018, 43, 4017.	1.7	2
140	Influence of pulse repetition rate and pulse energy on the heat accumulation between subsequent laser pulses during laser processing of CFRP with ps pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	14
141	Model of the final borehole geometry for helical laser drilling. <i>Advanced Optical Technologies</i> , 2018, 7, 183-188.	0.9	3
142	Pores in laser beam welding: generation mechanism and impact on the melt flow. , 2018, , .		5
143	Determination of the thermally induced focal shift of processing optics for ultrafast lasers with average powers of up to 525 W. <i>Optics Express</i> , 2018, 26, 26020.	1.7	13
144	Observation of Laser Materials Processing by Means of High-Speed Imaging. , 2018, , 207-225.		0

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145	Passive compensation of beam misalignment caused by air convection in thin-disk lasers. , 2018, , .		0
146	Symmetrically-Cooled Ti:sapphire Thin-Disk Laser Using Single-Crystal Diamond Heat Spreaders. , 2018, , .		0
147	Flow speed of the ablation vapors generated during laser drilling of CFRP with a continuous-wave laser beam. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	6
148	Comprehensive analysis of the capillary depth in deep penetration laser welding. Proceedings of SPIE, 2017, , .	0.8	6
149	The optically pumped semiconductor membrane external-cavity surface-emitting laser (MECSEL): a concept based on a diamond-sandwiched active region. , 2017, , .		2
150	Surface processing of stainless steel with high-energy picosecond laser pulses with an elliptical focus. , 2017, , .		0
151	High-power single-stage single-crystal Yb:YAG fiber amplifier for radially polarized ultrashort laser pulses. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	8
152	Thin-disk multipass amplifier for fs pulses delivering 400ÂW of average and 2.0ÂGW of peak power for linear polarization as well as 235ÂW and 1.2ÂGW for radial polarization. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	26
153	Fast numerical method to predict the depth of laser welding. Journal of Laser Applications, 2017, 29, 022012.	0.8	4
154	Schemes for efficient QW pumping of AlGaInP disk lasers. Proceedings of SPIE, 2017, , .	0.8	1
155	Influence of the focal position on the melt flow during laser welding of steel. Journal of Laser Applications, 2017, 29, .	0.8	22
156	Advantages of laser beam oscillation for remote welding of aluminum closely above the deep-penetration welding threshold. Journal of Laser Applications, 2017, 29, .	0.8	16
157	Analytical model for the extent of the heat-affected zone occurring during overlap laser welding of dissimilar materials. Journal of Applied Physics, 2017, 122, 135104.	1.1	1
158	Characterization of the melt flow direction and cut front geometry in oxygen cutting with a solid state laser. Journal of Laser Applications, 2017, 29, .	0.8	10
159	Analysis of Fundamental-Mode Beam Transport in Highly Multimode Fibers. Journal of Lightwave Technology, 2017, 35, 3637-3642.	2.7	5
160	Analytical description of the surface temperature for the characterization of laser welding processes. International Journal of Heat and Mass Transfer, 2017, 106, 958-969.	2.5	12
161	Parallel sequencing lives, or what makes large sequencing projects successful. GigaScience, 2017, 6, 1-6.	3.3	4
162	Modulation of the laser power to prevent hot cracking during laser welding of tempered steel. Journal of Laser Applications, 2017, 29, 042008.	0.8	14

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163	Intra-cavity compensation of wavefront distortions in kW-level thin-disk lasers. , 2017, , .		0
164	A 57 W radially polarized SESAM mode-locked thin-disk oscillator. , 2017, , .		0
165	Power-scaling of a Ti:Sapphire thin-disk oscillator. , 2017, , .		0
166	Spatial beam modulation to reduce electrical resistance in laser welded aluminum to copper dissimilar joints. , 2017, , .		2
167	Processing constraints resulting from heat accumulation during pulsed and repetitive laser materials processing. Optics Express, 2017, 25, 3966.	1.7	57
168	Deformable mirrors for intra-cavity use in high-power thin-disk lasers. Optics Express, 2017, 25, 4254.	1.7	31
169	Highly-efficient continuous-wave intra-cavity frequency-doubled Yb:LuAG thin-disk laser with 1 kW of output power. Optics Express, 2017, 25, 4917.	1.7	21
170	Fiber-integrated spectroscopy device for hot alkali vapor. Applied Optics, 2017, 56, 5898.	0.9	12
171	Passive compensation of the misalignment instability caused by air convection in thin-disk lasers. Optics Letters, 2017, 42, 3263.	1.7	16
172	Thin-disk laser operation of Ti:sapphire. Optics Letters, 2017, 42, 1624.	1.7	15
173	Semiconductor membrane laser concept (MECSEL) applicable to various materials towards new emission wavelengths. , 2017, , .		0
174	Analysis of polarization maintaining behavior in inhibited coupling hollow-core photonic crystal fibers (IC HC-PCF). , 2017, , .		0
175	CW thin-disk laser emitting kW-class beams with radial polarization. , 2017, , .		0
176	Thin-disk multipass amplifier delivering 10 GW of peak power. , 2017, , .		0
177	Limits of propagation of the fundamental mode in multimode fibers. , 2017, , .		0
178	A 1.1 kW CW intra-cavity frequency-doubled thin-disk laser. , 2017, , .		0
179	The effect of laser welding parameters on the grain structure distribution in the resultant weld. , 2016, , .		3
180	Experiments towards resolving the proton charge radius puzzle. EPJ Web of Conferences, 2016, 113, 01006.	0.1	20

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181	Semiconductor membrane external-cavity surface-emitting laser (MECSEL). <i>Optica</i> , 2016, 3, 1506.	4.8	63
182	Numerical modeling of multimode laser resonators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 2278.	0.9	6
183	Ultrafast laser ablation of transparent materials. , 2016, , .		0
184	Highly efficient 400â€‰W near-fundamental-mode green thin-disk laser. <i>Optics Letters</i> , 2016, 41, 171.	1.7	17
185	Novel thin-disk oscillator concept for the generation of radially polarized femtosecond laser pulses. <i>Optics Letters</i> , 2016, 41, 1680.	1.7	16
186	A 1.78 μJ and 285fs Yb:CaF ₂ SESAM-modelocked thin-disk oscillator. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
187	Thin-disk multipass amplifier emitting radially polarized beam with 635 W of average power and 2.1 mJ of pulse energy. , 2016, , .		0
188	Efficient generation of cylindrically polarized beams in an Yb:YAG thin-disk laser enabled by a ring-shaped pumping distribution. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
189	Temperature Controlled Laser Joining of Aluminum to Galvanized Steel. <i>Physics Procedia</i> , 2016, 83, 515-522.	1.2	4
190	Fine-tuned Remote Laser Welding of Aluminum to Copper with Local Beam Oscillation. <i>Physics Procedia</i> , 2016, 83, 455-462.	1.2	32
191	Laser spectroscopy of muonic deuterium. <i>Science</i> , 2016, 353, 669-673.	6.0	225
192	SESAM-modelocked Yb:CaF ₂ thin-disk-laser generating 285 fs pulses with 1.78 μJ of pulse energy. <i>Laser Physics Letters</i> , 2016, 13, 055801.	0.6	16
193	Efficiency and power scaling of in-well and multi-pass pumped AlGaInP VECSELs. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
194	25â€‰W continuous wave output at 665â€‰nm from a multipass and quantum-well-pumped AlGaInP vertical-external-cavity surface-emitting laser. <i>Optics Letters</i> , 2016, 41, 1245.	1.7	24
195	Comprehensive process monitoring for laser welding process optimization. , 2016, , .		4
196	C/EBP β creates elite cells for iPSC reprogramming by upregulating Klf4 and increasing the levels of Lsd1 and β 4. <i>Nature Cell Biology</i> , 2016, 18, 371-381.	4.6	94
197	Gain chip design, power scaling and intra-cavity frequency doubling with LBO of optically pumped red-emitting AlGaInP-VECSELs. , 2016, , .		3
198	Cell-of-Origin-Specific 3D Genome Structure Acquired during Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2016, 18, 597-610.	5.2	187

#	ARTICLE	IF	CITATIONS
199	Reprogramming human B cells into induced pluripotent stem cells and its enhancement by C/EBP β . Leukemia, 2016, 30, 674-682.	3.3	36
200	Second Generation Thin-Disk Multipass Amplifier Delivering Picosecond Pulses with 2 kW of Average Output Power. , 2016, , .		15
201	Heat accumulation effects in short-pulse multi-pass cutting of carbon fiber reinforced plastics. Journal of Applied Physics, 2015, 118, .	1.1	17
202	Comparing the amount of laser welding spatters resulting from different analyzing methods. , 2015, , .		1
203	Kilowatt average power short-pulse laser processing of CFRP - Quality challenges. , 2015, , .		0
204	High ablation rate laser processing of CFRP for repair purpose. , 2015, , .		3
205	Improved x-ray detection and particle identification with avalanche photodiodes. Review of Scientific Instruments, 2015, 86, 053102.	0.6	8
206	Radially polarized emission with 635 μ W of average power and 21 μ J of pulse energy generated by an ultrafast thin-disk multipass amplifier. Optics Letters, 2015, 40, 5758.	1.7	32
207	Investigations on ring-shaped pumping distributions for the generation of beams with radial polarization in an Yb:YAG thin-disk laser. Optics Express, 2015, 23, 26651.	1.7	18
208	Degradation studies and pump optimization of optically pumped red-emitting AlGaInP-VECSELs. , 2015, , .		0
209	A New Path to Leukemia with WIT. Molecular Cell, 2015, 57, 573-574.	4.5	3
210	Calibrated heat flow model for the determination of different heat-affected zones in single-pass laser-cut CFRP using a cw CO ₂ laser. Applied Physics A: Materials Science and Processing, 2015, 118, 1509-1516.	1.1	11
211	Real-time analysis of laser beams by simultaneous imaging on a single camera chip. Proceedings of SPIE, 2015, , .	0.8	1
212	Thin-disk laser multi-pass amplifier. Proceedings of SPIE, 2015, , .	0.8	7
213	Ultrafast thin-disk multipass amplifier with 1.4 kW average power and 4.7 mJ pulse energy at 1030 nm converted to 820 W and 2.7 mJ at 515 nm. , 2015, , .		1
214	First demonstration of passively mode-locked Yb:CaF ₂ thin-disk laser. Proceedings of SPIE, 2015, , .	0.8	0
215	Single-grating-mirror intracavity stretcher design for chirped pulse regenerative amplification. Optics Letters, 2015, 40, 1532.	1.7	6
216	High-quality processing of CFRP with a 1.1-kW picosecond laser. Applied Physics A: Materials Science and Processing, 2015, 119, 1237-1243.	1.1	60

#	ARTICLE	IF	CITATIONS
217	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers. , 2015, , .		1
218	Single grating mirror intracavity stretcher design for chirped pulse regenerative amplification. Proceedings of SPIE, 2015, , .	0.8	0
219	Power modulation to stabilize laser welding of copper. Journal of Laser Applications, 2015, 27, .	0.8	28
220	Analytical expressions for the threshold of deep-penetration laser welding. Laser Physics Letters, 2015, 12, 056002.	0.6	32
221	Enhanced efficiency of AlGaInP disk laser by in-well pumping. Optics Express, 2015, 23, 2472.	1.7	18
222	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. Optics Letters, 2015, 40, 2517.	1.7	64
223	Ultrafast thin-disk multipass laser amplifier delivering 14 kW (47 mJ, 1030 nm) average power converted to 820 W at 515 nm and 234 W at 343 nm. Optics Express, 2015, 23, 21064.	1.7	137
224	C/EBP β Activates Pre-existing and De Novo Macrophage Enhancers during Induced Pre-B Cell Transdifferentiation and Myelopoiesis. Stem Cell Reports, 2015, 5, 232-247.	2.3	95
225	Efficient processing of CFRP with a picosecond laser with up to 1.4 kW average power. , 2015, , .		4
226	A 265W and 782 fs amplified radially polarized beam emitted by a thin-disk multipass amplifier. , 2015, , .		5
227	High power single crystal fiber amplifiers for linearly and cylindrically polarized picosecond lasers. , 2015, , .		1
228	High-power and high-efficiency frequency-doubled fundamental-mode thin-disk laser. , 2015, , .		0
229	Generation of Supercontinuum LPO _n Modes in Highly Multimode Gradient-Index Fiber. , 2015, , .		0
230	High-power laser sources enable high-quality laser welding of copper. , 2014, , .		9
231	Ultra-Short pulse laser processing of CFRP with kilowatt average power. , 2014, , .		2
232	Temporally resolved measurement of temperature gradients during power modulated laser welding of copper to aluminum. , 2014, , .		1
233	Thin-disk laser operation of Pr ³⁺ ,Mg ²⁺ :SrAl ₂ O ₁₉ . Optics Letters, 2014, 39, 1322.	1.7	17
234	Calibrated Heat Flow Model for Determining the Heat Conduction Losses in Laser Cutting of CFRP. Physics Procedia, 2014, 56, 1208-1217.	1.2	11

#	ARTICLE	IF	CITATIONS
235	Investigation on thermal behavior of resonant waveguide-grating mirrors in an Yb:YAG thin-disk laser. Proceedings of SPIE, 2014, , .	0.8	0
236	Theoretical and experimental studies of ultra-short pulsed laser drilling of steel. , 2014, , .		1
237	Influence of laser parameters on quality of microholes and process efficiency. , 2014, , .		7
238	Ablation dynamics and shock wave expansion during laser processing of CFRP with ultrashort laser pulses. Proceedings of SPIE, 2014, , .	0.8	2
239	Broadband pulse compression gratings with measured 997% diffraction efficiency. Optics Letters, 2014, 39, 323.	1.7	34
240	Recent progress in thin-disk lasers based on various Yb-doped materials. , 2014, , .		2
241	1.3 kW average output power Yb:YAG thin-disk multipass amplifier for multi-mj picosecond laser pulses. , 2014, , .		1
242	Very Rapid and Efficient Generation of Induced Pluripotent Stem Cells from Mouse Pre-B Cells. Methods in Molecular Biology, 2014, 1357, 45-56.	0.4	4
243	Yb ³⁺ -doped ceramic thin-disk lasers of Lu-based oxides. Optical Materials Express, 2014, 4, 2116.	1.6	22
244	Heat accumulation during pulsed laser materials processing. Optics Express, 2014, 22, 11312.	1.7	201
245	Passively mode-locked Yb:CaF ₂ thin-disk laser. Optics Express, 2014, 22, 22278.	1.7	13
246	Polarization dependence of laser interaction with carbon fibers and CFRP. Optics Express, 2014, 22, 1474.	1.7	39
247	Heat accumulation during pulsed laser materials processing: erratum. Optics Express, 2014, 22, 28232.	1.7	8
248	Oxygen-assisted multipass cutting of carbon fiber reinforced plastics with ultra-short laser pulses. Journal of Applied Physics, 2014, 115, .	1.1	21
249	Reduction of Focal Shift Effects in Industrial Laser Beam Welding by Means of Innovative Protection Glass Concept. Physics Procedia, 2014, 56, 681-688.	1.2	7
250	1617-nm emission control of an Er:YAG laser by a corrugated single-layer resonant grating mirror. Optics Letters, 2014, 39, 466.	1.7	10
251	Thin-disk multipass amplifier for ultrashort laser pulses with kilowatt average output power and mj pulse energies. Proceedings of SPIE, 2014, , .	0.8	0
252	Zrf1 is required to establish and maintain neural progenitor identity. Genes and Development, 2014, 28, 182-197.	2.7	29

#	ARTICLE	IF	CITATIONS
253	Delivery of 800â€‰W of nearly diffraction-limited laser power through a 100â€‰m long multi-mode fiber. <i>Laser Physics Letters</i> , 2014, 11, 055104.	0.6	9
254	C/EBPÎ± poises B cells for rapid reprogramming into induced pluripotent stem cells. <i>Nature</i> , 2014, 506, 235-239.	13.7	201
255	Yb:CaF ₂ thin-disk laser. <i>Optics Express</i> , 2014, 22, 1524.	1.7	28
256	Hi-TEC reprogramming for organ regeneration. <i>Nature Cell Biology</i> , 2014, 16, 824-825.	4.6	1
257	Laser Spot Welding of Copper-aluminum Joints Using a Pulsed Dual Wavelength Laser at 532 and 1064 nm. <i>Physics Procedia</i> , 2014, 56, 759-767.	1.2	22
258	Demonstration of a Yb ³⁺ -doped Lu ₃ Al ₅ O ₁₂ ceramic thin-disk laser. <i>Optics Letters</i> , 2014, 39, 2884.	1.7	11
259	C/EBPÎ±-Mediated Activation of MicroRNAs 34a and 223 Inhibits Lef1 Expression To Achieve Efficient Reprogramming into Macrophages. <i>Molecular and Cellular Biology</i> , 2014, 34, 1145-1157.	1.1	26
260	Time-resolved gene expression profiling during reprogramming of C/EBPÎ±-pulsed B cells into iPS cells. <i>Scientific Data</i> , 2014, 1, 140008.	2.4	3
261	<i>Laser in der Fertigung.</i> , 2014, , .		18
262	Momentum and velocity of the ablated material in laser machining of carbon fiber preforms. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 361-366.	1.1	15
263	C/EBPÎ± Induces Highly Efficient Macrophage Transdifferentiation of B Lymphoma and Leukemia Cell Lines and Impairs Their Tumorigenicity. <i>Cell Reports</i> , 2013, 3, 1153-1163.	2.9	99
264	Spectral Analysis of Laser Processing of Carbon Fiber Reinforced Plastics. <i>Physics Procedia</i> , 2013, 41, 496-501.	1.2	4
265	Effects of Welding Parameters Onto Keyhole Geometry for Partial Penetration Laser Welding. <i>Physics Procedia</i> , 2013, 41, 199-208.	1.2	28
266	Influence of Laser Wavelength on Melt Bath Dynamics and Resulting Seam Quality at Welding of Thick Plates. <i>Physics Procedia</i> , 2013, 41, 49-58.	1.2	32
267	Transcription factor-induced enhancer modulations during cell fate conversions. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 562-567.	1.5	11
268	Yb:CALGO thin-disk femtosecond oscillator. , 2013, , .		0
269	Yb:YAl ₃ (BO ₃) ₄ as gain material in thin-disk oscillators: demonstration of 109 W of IR output power. <i>Optics Express</i> , 2013, 21, 25708.	1.7	7
270	Proton Structure from the Measurement of 2S-2P Transition Frequencies of Muonic Hydrogen. <i>Science</i> , 2013, 339, 417-420.	6.0	676

#	ARTICLE	IF	CITATIONS
271	Remote Laser Welding of Multi-Alloy Aluminum at Close-Edge Position. Physics Procedia, 2013, 41, 164-168.	1.2	15
272	Stabilization of a Laser Welding Process Against Focal Shift Effects using Beam Manipulation. Physics Procedia, 2013, 41, 209-215.	1.2	9
273	Laser spectroscopy of muonic hydrogen. Annalen Der Physik, 2013, 525, 647-651.	0.9	4
274	X-Ray and Optical Videography for 3D Measurement of Capillary and Melt Pool Geometry in Laser Welding. Physics Procedia, 2013, 41, 488-495.	1.2	34
275	High-Speed X-Ray Analysis of Spatter Formation in Laser Welding of Copper. Physics Procedia, 2013, 41, 112-118.	1.2	100
276	11â€‰kW average output power from a thin-disk multipass amplifier for ultrashort laser pulses. Optics Letters, 2013, 38, 5442.	1.7	162
277	High power amplification in Yb:YAG single crystal fibers. , 2013, , .		0
278	Laser demonstration with highly doped Yb:Gd ₂ O ₃ and Yb:Y ₂ O ₃ crystals grown by an original flux method. Optics Letters, 2013, 38, 4146.	1.7	26
279	Thermal behavior of resonant waveguide-grating mirrors in Yb:YAG thin-disk lasers. Optics Letters, 2013, 38, 4766.	1.7	7
280	Amplification of cylindrically polarized laser beams in single crystal fiber amplifiers. Optics Express, 2013, 21, 11376.	1.7	24
281	HDAC7 Is a Repressor of Myeloid Genes Whose Downregulation Is Required for Transdifferentiation of Pre-B Cells into Macrophages. PLoS Genetics, 2013, 9, e1003503.	1.5	55
282	Spatial analysis of the back reflected laser light during CO ₂ -laser cutting of metal sheets. Journal of Laser Applications, 2013, 25, 012001.	0.8	2
283	High-performance intra-cavity polarization- and wavelength-selective grating-mirrors for Yb:YAG thin-disk lasers. , 2013, , .		0
284	Wavelength selection, spatial filtering and polarization control of an Er:YAG laser cavity by resonant-grating mirror. , 2013, , .		1
285	Lifetime and population of the S state in muonic hydrogen and deuterium. Physical Review A, 2013, 88, .	1.0	9
286	Active mirrors for kW-class fundamental-mode thin-disk lasers. , 2013, , .		0
287	Tissue-specific control of brain-enriched miR-7 biogenesis. Genes and Development, 2013, 27, 24-38.	2.7	131
288	CD41 expression marks myeloid-biased adult hematopoietic stem cells and increases with age. Blood, 2013, 121, 4463-4472.	0.6	270

#	ARTICLE	IF	CITATIONS
289	Investigating the weld depth behaviour using different observation techniques: X-ray, inline coherent imaging and highspeed observation during welding ice. , 2013, , .		8
290	Analysing the temperature distribution at the cutting front and inside the cutting kerf during CO2-laser cutting of aluminium. , 2013, , .		1
291	High-efficiency laser processing of CFRP. , 2013, , .		2
292	High power cw and fs Yb:CALGO thin-disk laser using diamond heat spreader. , 2013, , .		1
293	Thin-disk laser for the measurement of the radii of the proton and the alpha-particle. , 2013, , .		3
294	Thin-disk multipass amplifier for ultrashort pulses with an output power of 264 W. , 2013, , .		0
295	Resonant Grating Mirror for emission control of Er:YAG laser at 1617 nm. , 2013, , .		0
296	Demonstration of grating mirrors with high diffraction efficiency for pulse compression. , 2013, , .		0
297	Yb:YAG Single Crystal Fiber Amplifiers For Cylindrically Polarized Laser Beams. , 2013, , .		0
298	High power Yb:CALGO thin-disk lasers in cw and fs regime. , 2013, , .		1
299	Musashi 2 in hematopoiesis. Current Opinion in Hematology, 2012, 19, 268-272.	1.2	35
300	Active mirrors for intra-cavity compensation of the aspherical thermal lens in thin-disk lasers. Proceedings of SPIE, 2012, , .	0.8	5
301	Stabilization of laser welding processes by means of beam oscillation. Proceedings of SPIE, 2012, , .	0.8	18
302	Circular grating waveguide structures for intracavity generation of azimuthal polarization in a thin-disk laser. Optics Letters, 2012, 37, 1763.	1.7	17
303	Linearly polarized, narrow-linewidth, and tunable Yb:YAG thin-disk laser. Optics Letters, 2012, 37, 4188.	1.7	21
304	Continuous-wave Yb-doped Sc ₂ SiO ₅ thin-disk laser. Optics Letters, 2012, 37, 37.	1.7	10
305	Power scaling of fundamental-mode thin-disk lasers using intracavity deformable mirrors. Optics Letters, 2012, 37, 5033.	1.7	63
306	C/EBP β bypasses cell cycle-dependency during immune cell transdifferentiation. Cell Cycle, 2012, 11, 2739-2746.	1.3	26

#	ARTICLE	IF	CITATIONS
307	Passively mode-locked Yb ³⁺ :Sc ₂ SiO ₅ thin-disk laser. Optics Letters, 2012, 37, 4750.	1.7	30
308	Single-layer resonant-waveguide grating for polarization and wavelength selection in Yb:YAG thin-disk lasers. Optics Express, 2012, 20, 4024.	1.7	28
309	Comparison between ray-tracing and physical optics for the computation of light absorption in capillaries – the influence of diffraction and interference. Optics Express, 2012, 20, 26606.	1.7	29
310	Femtosecond Yb:CaGdAlO ₄ thin-disk oscillator. Optics Letters, 2012, 37, 3984.	1.7	78
311	Enhanced performance of thin-disk lasers by pumping into the zero-phonon line. Optics Letters, 2012, 37, 3045.	1.7	94
312	Pre-B cell to macrophage transdifferentiation without significant promoter DNA methylation changes. Nucleic Acids Research, 2012, 40, 1954-1968.	6.5	37
313	250-Å single-crystal fiber Yb:YAG laser. Optics Letters, 2012, 37, 2898.	1.7	78
314	A novel role of sphingosine 1-phosphate receptor S1pr1 in mouse thrombopoiesis. Journal of Experimental Medicine, 2012, 209, 2165-2181.	4.2	151
315	Grating waveguide structures for intracavity generation of beams with azimuthal polarization in an Yb:YAG thin-disk laser. Proceedings of SPIE, 2012, , .	0.8	3
316	Applications of sub-wavelength grating mirrors in high-power lasers. Advanced Optical Technologies, 2012, 1, 381-388.	0.9	9
317	High-efficiency wavelength and polarization selective grating-waveguide structures for Yb:YAG thin-disk lasers. , 2012, , .		0
318	Controlling the thermally induced focal shift in laser processing heads. , 2012, , .		4
319	Continuous single pulse resolved measurement of beam diameters at 200 kHz using optical transmission filters. , 2012, , .		0
320	Self-compensation of thermal lensing in optics for high-brightness solid-state lasers. Proceedings of SPIE, 2012, , .	0.8	10
321	800 W cw nearly diffraction-limited beam delivery through a 100 m long multi-mode fiber. , 2012, , .		1
322	The size of the proton. Hyperfine Interactions, 2012, 212, 185-194.	0.2	7
323	The Lamb-shift experiment in Muonic helium. Hyperfine Interactions, 2012, 212, 195-201.	0.2	22
324	Short-pulse Laser Processing of CFRP. Physics Procedia, 2012, 39, 137-146.	1.2	57

#	ARTICLE	IF	CITATIONS
325	High-speed Observation of the Heat Flow in CFRP During Laser Processing. Physics Procedia, 2012, 39, 171-178.	1.2	31
326	Tet2 Facilitates the Derepression of Myeloid Target Genes during CEBPÎ±-Induced Transdifferentiation of Pre-B Cells. Molecular Cell, 2012, 48, 266-276.	4.5	85
327	Yb:CaGdAlO ₄ thin-disk. Proceedings of SPIE, 2012, , .	0.8	0
328	250 W single crystal fiber Yb:YAG laser. , 2012, , .		4
329	New hot cracking criterion for laser welding in close-edge position. , 2012, , .		12
330	Investigation of the keyhole in laser welding of different joint geometries by means of x-ray videography. , 2012, , .		4
331	Investigation of thermal lensing time constants in laser processing optics. , 2012, , .		1
332	High-quality laser welding of copper using appropriate power modulation. , 2012, , .		6
333	BLUEPRINT to decode the epigenetic signature written in blood. Nature Biotechnology, 2012, 30, 224-226.	9.4	323
334	Preparation and characterization of a large mode area liquid-filled photonic crystal fiber: transition from isolated to coupled spatial modes. Applied Physics B: Lasers and Optics, 2012, 106, 521-527.	1.1	16
335	The Lamb-shift experiment in Muonic helium. , 2012, , 195-201.		0
336	Illuminating the proton radius conundrum: the $^4\text{He}^{++}$ Lamb shift This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at <i>École de Physique, les Houches, France, 30 May – 4 June, 2010.</i> Canadian Journal of Physics, 2011, 89, 47-57.	0.4	69
337	The Lamb shift in muonic hydrogen This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at <i>École de Physique, les Houches, France, 30 May – 4 June, 2010.</i> Canadian Journal of Physics, 2011, 89, 37-45.	0.4	5
338	The proton radius puzzle. Journal of Physics: Conference Series, 2011, 312, 032002.	0.3	7
339	The size of the proton and the deuteron. Journal of Physics: Conference Series, 2011, 264, 012008.	0.3	14
340	High-power radially polarized Yb:YAG thin-disk laser with high efficiency. Optics Express, 2011, 19, 5093.	1.7	62
341	Improving the brightness of a multi-kilowatt single thin-disk laser by an aspherical phase front correction. Optics Letters, 2011, 36, 799.	1.7	23
342	Yb:CaGdAlO ₄ thin-disk laser. Optics Letters, 2011, 36, 4134.	1.7	35

#	ARTICLE	IF	CITATIONS
343	Historical Origins of Transdifferentiation and Reprogramming. Cell Stem Cell, 2011, 9, 504-516.	5.2	171
344	Analysis of thermal damage in laser processing of CFRP. , 2011, , .		10
345	Stabilized copper welding by using power modulated green and IR laser beams. , 2011, , .		13
346	X-ray videography for investigation of capillary and melt pool dynamics in different materials. , 2011, , .		12
347	Musashi 2 is a regulator of the HSC compartment identified by a retroviral insertion screen and knockout mice. Blood, 2011, 118, 554-564.	0.6	76
348	The Lamb shift in muonic hydrogen and the proton radius. Physics Procedia, 2011, 17, 10-19.	1.2	4
349	Is the proton radius a player in the redefinition of the International System of Units?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4064-4077.	1.6	4
350	Utilizing Laser Power Modulation to Investigate the Transition from Heat-Conduction to Deep-Penetration Welding. Physics Procedia, 2011, 12, 224-231.	1.2	22
351	Understanding of Humping Based on Conservation of Volume Flow. Physics Procedia, 2011, 12, 232-240.	1.2	40
352	Understanding Pore Formation in Laser Beam Welding. Physics Procedia, 2011, 12, 241-247.	1.2	78
353	Space-resolved Spectrometric Measurements of the Cutting Front. Physics Procedia, 2011, 12, 584-590.	1.2	18
354	Minimum Damage in CFRP Laser Processing. Physics Procedia, 2011, 12, 302-307.	1.2	103
355	Effects of Radial and Tangential Polarization in Laser Material Processing. Physics Procedia, 2011, 12, 21-30.	1.2	115
356	Process Stabilization at welding Copper by Laser Power Modulation. Physics Procedia, 2011, 12, 81-87.	1.2	74
357	Continuous Wave Laser Welding of Copper with Combined Beams at Wavelengths of 1030 nm and of 515 nm. Physics Procedia, 2011, 12, 88-94.	1.2	99
358	Camera Based Closed Loop Control for Partial Penetration Welding of Overlap Joints. Physics Procedia, 2011, 12, 730-738.	1.2	30
359	Novel X-ray System for in-situ Diagnostics of Laser Based Processes – First Experimental Results. Physics Procedia, 2011, 12, 761-770.	1.2	60
360	Laser surface structuring with long depth of focus. Proceedings of SPIE, 2011, , .	0.8	4

#	ARTICLE	IF	CITATIONS
361	CCAAT/enhancer binding protein β (C/EBP β)-induced transdifferentiation of pre-B cells into macrophages involves no overt retrodifferentiation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17016-17021.	3.3	95
362	Induced pluripotent stem cell-derived human platelets: one step closer to the clinic. Journal of Experimental Medicine, 2011, 208, 213-213.	4.2	9
363	Influence of cut front temperature profile on cutting process. , 2011, , .		3
364	Reference process for determination of thermal focus shift. , 2011, , .		5
365	The size of the proton. , 2011, , 185-194.		0
366	Multicore fibers for high-brilliance laser beam delivery. , 2010, , .		0
367	Muonic hydrogen spectroscopy: the proton radius puzzle. Proceedings of SPIE, 2010, , .	0.8	0
368	440 W polarized single-transverse-mode CW fiber amplifier with thin disk laser seed source. , 2010, , .		1
369	Canonical BMP signaling is dispensable for hematopoietic stem cell function in both adult and fetal liver hematopoiesis, but essential to preserve colon architecture. Blood, 2010, 115, 4689-4698.	0.6	50
370	Platelets regulate lymphatic vascular development through CLEC-2-SLP-76 signaling. Blood, 2010, 116, 661-670.	0.6	396
371	Improving the brightness of a multi-kW thin disk laser with a single disk by an aspherical phase-front correction. , 2010, , .		9
372	19-cores Yb-fiber laser with mode selection for improved beam brightness. Applied Physics B: Lasers and Optics, 2010, 100, 859-864.	1.1	20
373	Forced deep-penetration welding with low-power second-harmonic assistance of cw copper welding with 1 $\frac{1}{4}$ m wavelength. Physics Procedia, 2010, 5, 29-36.	1.2	20
374	The size of the proton. Nature, 2010, 466, 213-216.	13.7	1,113
375	Moving humps at the capillary front in laser welding. , 2010, , .		12
376	Novel high-speed space-resolved x-ray system for in-situ diagnostics of laser based processes. , 2010, , .		9
377	Laser power modulation at the threshold from heat-conduction to deep-penetration welding. , 2010, , .		6
378	Effect of process strategies on thermal load during CFRP manufacturing using picosecond laser pulses. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
379	Benefits from combining laser beams with different wavelengths (green and IR) for copper welding. , 2010, , .		10
380	Induced pluripotent stem cellâ€derived human platelets: one step closer to the clinic. Journal of Experimental Medicine, 2010, 207, 2781-2784.	4.2	28
381	InGaNâ€GaN Disk Laser for Blue-Violet Emission Wavelengths. IEEE Photonics Technology Letters, 2010, 22, 652-654.	1.3	19
382	Efficient pump beam shaping for high-power thin-disk laser systems. Applied Optics, 2010, 49, 5157.	2.1	18
383	Application of the extended Jones matrix formalism for higher-order transverse modes to laser resonators. Optics Express, 2010, 18, 21540.	1.7	10
384	Microdrilling in steel using ultrashort pulsed laser beams with radial and azimuthal polarization. Optics Express, 2010, 18, 22305.	1.7	167
385	Very-large-mode-area, single-mode multicore fiber: erratum. Optics Letters, 2010, 35, 465.	1.7	4
386	Reprogramming of Committed Lymphoid Cells by Enforced Transcription Factor Expression. Methods in Molecular Biology, 2010, 636, 219-232.	0.4	2
387	Novel Multicore Fibers for Large-Mode-Areas and High Beam Quality. , 2010, , .		0
388	Quasi-Gaussian beam from a multicore fibre laser by phase locking of supermodes. Applied Physics B: Lasers and Optics, 2009, 97, 599-605.	1.1	13
389	Forcing cells to change lineages. Nature, 2009, 462, 587-594.	13.7	817
390	An uphill battle toward pluripotency. Nature Genetics, 2009, 41, 960-961.	9.4	2
391	Fibroblast-Derived Induced Pluripotent Stem Cells Show No Common Retroviral Vector Insertions. Stem Cells, 2009, 27, 300-306.	1.4	55
392	A Robust and Highly Efficient Immune Cell Reprogramming System. Cell Stem Cell, 2009, 5, 554-566.	5.2	145
393	Very-large-mode-area, single-mode multicore fiber. Optics Letters, 2009, 34, 2876.	1.7	99
394	Thin-Disk Yb:YAG Oscillator-Amplifier Laser, ASE, and Effective Yb:YAG Lifetime. IEEE Journal of Quantum Electronics, 2009, 45, 993-1005.	1.0	92
395	Laser in der Fertigung. , 2009, , .		115
396	Blood lines redrawn. Nature, 2008, 452, 702-703.	13.7	20

#	ARTICLE	IF	CITATIONS
397	B Young Again. <i>Immunity</i> , 2008, 28, 606-608.	6.6	8
398	Lymphoid myeloid lineage specification. <i>Seminars in Immunology</i> , 2008, 20, 205-206.	2.7	1
399	Heterogeneity of Embryonic and Adult Stem Cells. <i>Cell Stem Cell</i> , 2008, 3, 480-483.	5.2	328
400	Full vectorial finite-element simulations of Bragg fibers for single-mode beam delivery systems. , 2008, , .		3
401	Cw-operation of an Ytterbium doped 19-core fiber laser. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
402	PU.1 and C/EBP β convert fibroblasts into macrophage-like cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6057-6062.	3.3	309
403	Radially polarized high-power lasers. , 2008, , .		10
404	Advanced pulsed thin disk laser sources. , 2008, , .		17
405	Radially polarized Yb:YAG thin-disc laser. , 2008, , .		2
406	Investigation of bending effects on evanescent-field coupled waveguides designed for high-power fundamental-mode delivery systems. , 2008, , .		1
407	Dynamic Visualization of Thrombopoiesis Within Bone Marrow. <i>Science</i> , 2007, 317, 1767-1770.	6.0	572
408	Identification of interventricular septum precursor cells in the mouse embryo. <i>Developmental Biology</i> , 2007, 302, 195-207.	0.9	27
409	Reciprocal Activation of GATA-1 and PU.1 Marks Initial Specification of Hematopoietic Stem Cells into Myeloerythroid and Myelolymphoid Lineages. <i>Cell Stem Cell</i> , 2007, 1, 416-427.	5.2	264
410	Extension of the Jones matrix formalism to higher-order transverse modes. <i>Optics Letters</i> , 2007, 32, 83.	1.7	10
411	Radially polarized 3kW beam from a CO ₂ laser with an intracavity resonant grating mirror. <i>Optics Letters</i> , 2007, 32, 1824.	1.7	100
412	Multilayer polarizing grating mirror used for the generation of radial polarization in Yb:YAG thin-disk lasers. <i>Optics Letters</i> , 2007, 32, 3272.	1.7	101
413	Saturation of 1047- and 1064-nm Absorption in Cr^{4+} :YAG Crystals. <i>IEEE Journal of Quantum Electronics</i> , 2007, 43, 168-173.	1.0	22
414	CD41-YFP mice allow in vivo labeling of megakaryocytic cells and reveal a subset of platelets hyperreactive to thrombin stimulation. <i>Experimental Hematology</i> , 2007, 35, 490-499.e1.	0.2	66

#	ARTICLE	IF	CITATIONS
415	Early decisions in lymphoid development. <i>Current Opinion in Immunology</i> , 2007, 19, 123-128.	2.4	63
416	Multiple reflections and Fresnel absorption in an actual 3D keyhole during deep penetration laser welding. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4703-4712.	1.3	64
417	DETERMINANTS OF LYMPHOID-MYELOID LINEAGE DIVERSIFICATION. <i>Annual Review of Immunology</i> , 2006, 24, 705-738.	9.5	229
418	Klf2 Is an Essential Regulator of Vascular Hemodynamic Forces In Vivo. <i>Developmental Cell</i> , 2006, 11, 845-857.	3.1	241
419	Self-compensating amplifier design for cw and Q-switched high-power Nd:YAG lasers. <i>Optics Express</i> , 2006, 14, 2191.	1.7	9
420	Reprogramming of Committed T Cell Progenitors to Macrophages and Dendritic Cells by C/EBP β and PU.1 Transcription Factors. <i>Immunity</i> , 2006, 25, 731-744.	6.6	321
421	Characterization of the megakaryocyte demarcation membrane system and its role in thrombopoiesis. <i>Blood</i> , 2006, 107, 3868-3875.	0.6	182
422	Intracavity beam shaping for high power thin-disk lasers. , 2006, , .		4
423	Generation of custom modes in a Nd:YAG laser with a semipassive bimorph adaptive mirror. <i>Applied Physics B: Lasers and Optics</i> , 2006, 83, 43-50.	1.1	29
424	Generation of radial polarization in Nd:YAG and CO ₂ lasers and its applications. , 2005, , .		0
425	Polarization-selective grating mirrors used in the generation of radial polarization. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 707-713.	1.1	72
426	PU.1 is not strictly required for B cell development and its absence induces a B-2 to B-1 cell switch. <i>Journal of Experimental Medicine</i> , 2005, 202, 1411-1422.	4.2	85
427	Assessing the role of hematopoietic plasticity for endothelial and hepatocyte development by non-invasive lineage tracing. <i>Development (Cambridge)</i> , 2005, 132, 203-213.	1.2	198
428	Solid-state lasers at the stability limit: constant beam properties over large power ranges. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 671-676.	1.0	7
429	Dual-Head High-Power Nd: YAG Laser with ThermoOptically Self-Compensating Amplifiers. , 2005, , .		0
430	A Paracrine Loop between Tumor Cells and Macrophages Is Required for Tumor Cell Migration in Mammary Tumors. <i>Cancer Research</i> , 2004, 64, 7022-7029.	0.4	1,019
431	Thermo-optically driven adaptive mirror for laser applications. <i>Applied Physics B: Lasers and Optics</i> , 2004, 79, 721-724.	1.1	17
432	Stepwise Reprogramming of B Cells into Macrophages. <i>Cell</i> , 2004, 117, 663-676.	13.5	892

#	ARTICLE	IF	CITATIONS
433	Reduction of thermally induced lenses in Nd:YAG with low temperatures. IEEE Journal of Quantum Electronics, 2004, 40, 499-504.	1.0	28
434	Generation of Super-Gaussian modes in Nd:YAG lasers with a graded-phase mirror. IEEE Journal of Quantum Electronics, 2004, 40, 741-746.	1.0	23
435	End-pumped Nd:YAG laser with self-adaptive compensation of the thermal lens. IEEE Journal of Quantum Electronics, 2004, 40, 1700-1703.	1.0	12
436	Mechanisms and implications of phosphoinositide 3-kinase $\hat{\imath}$ in promoting neutrophil trafficking into inflamed tissue. Blood, 2004, 103, 3448-3456.	0.6	198
437	Comparison of the microbicidal and muramidase activities of mouse lysozyme M and P. Biochemical Journal, 2004, 380, 385-392.	1.7	53
438	Excitation of Tm +3 at a wavelength of 1064 nm. Applied Physics B: Lasers and Optics, 2003, 76, 23-26.	1.1	10
439	MafB deficiency causes defective respiratory rhythmogenesis and fatal central apnea at birth. Nature Neuroscience, 2003, 6, 1091-1100.	7.1	154
440	Vector coupled-mode theory of dielectric waveguides. IEEE Journal of Quantum Electronics, 2003, 39, 866-873.	1.0	11
441	Hematopoietic Stem Cells Expressing the Myeloid Lysozyme Gene Retain Long-Term, Multilineage Repopulation Potential. Immunity, 2003, 19, 689-699.	6.6	159
442	Compensation of thermal lenses in high-power solid-state lasers. , 2003, , .		0
443	<title>Thermo-optical self-compensated amplifiers for high-power laser resonators</title>. , 2003, 5147, 21.		1
444	<title>Avoiding thermal lenses with low temperatures</title>. , 2003, 5147, 78.		0
445	<title>Self-adaptive compensation of thermal lenses in an end-pumped Nd:YAG laser</title>. , 2003, , .		0
446	E26 leukemia virus converts primitive erythroid cells into cycling multilineage progenitors. Blood, 2003, 101, 1103-1110.	0.6	10
447	Distinguishable live erythroid and myeloid cells in $\hat{\imath}^2$ -globin ECFP x lysozyme EGFP mice. Blood, 2003, 101, 903-906.	0.6	20
448	Increased inflammation in lysozyme Mâ€™deficient mice in response to Micrococcus luteus and its peptidoglycan. Blood, 2003, 101, 2388-2392.	0.6	95
449	Avoiding thermal lenses in Nd:YAG with cryogenic cooling. , 2003, 4969, 70.		0
450	<title>Generation of super-Gaussian modes in Nd:YAG lasers with graded-phase mirrors</title>. , 2003, , .		1

#	ARTICLE	IF	CITATIONS
451	<title>Excitation of Tm³:ZBLAN at a wavelength of 1.064 μ m</title>. , 2003, , .		0
452	Laser operation and computation of thermal stress in endpumped 1.1 at.% Nd-doped yttrium aluminium garnet rods with sub-millimetre diameters. Journal of Modern Optics, 2002, 49, 2059-2064.	0.6	3
453	<title>Compensation of thermal effects in high-power solid state lasers</title>. , 2002, , .		0
454	Differentiation plasticity of hematopoietic cells. Blood, 2002, 99, 3089-3101.	0.6	321
455	<title>Adaptive thermal optics in high-power laser resonators</title>. , 2002, , .		4
456	Diode-pumped passively mode-locked Nd:KGd(WO ₄) ₂ laser with 1-W average output power. Optics Letters, 2002, 27, 1478.	1.7	53
457	Proton and gamma radiation tests on nonlinear crystals. Applied Optics, 2002, 41, 464.	2.1	22
458	<title>Intracavity beam shaping of a Nd:YAG laser</title>. , 2002, 4629, 58.		5
459	Thermo-optical compensation methods for high-power lasers. IEEE Journal of Quantum Electronics, 2002, 38, 1620-1628.	1.0	43
460	Myeloid or Lymphoid Promiscuity as a Critical Step in Hematopoietic Lineage Commitment. Developmental Cell, 2002, 3, 137-147.	3.1	386
461	Additive-pulse mode locking of a diode-pumped Nd:KGd(WO ₄) ₂ laser. Applied Physics B: Lasers and Optics, 2002, 75, 467-469.	1.1	23
462	Corrections to "Numerical simulation and analytical description of thermally induced birefringence in laser rods". IEEE Journal of Quantum Electronics, 2001, 37, 951-951.	1.0	0
463	Novel adaptive resonators and thermal lensing. , 2001, , .		0
464	Anuria, Omphalocele, and Perinatal Lethality in Mice Lacking the Cd34-Related Protein Podocalyxin. Journal of Experimental Medicine, 2001, 194, 13-28.	4.2	286
465	<title>Exploiting thermal effects in high-power lasers</title>. , 2001, , .		1
466	Self-Adaptive Compensation for the Thermal Lens in High-Power Lasers. , 2001, , PD6.		9
467	Single-frequency or polarised output from dual-configuration resonator. , 2001, , .		0
468	<title>High-efficiency high-power cw solid state lasers for material processing</title>. , 2000, , .		0

#	ARTICLE	IF	CITATIONS
469	Reducing thermal lensing in diode-pumped laser rods. <i>Optics Communications</i> , 2000, 178, 383-393.	1.0	77
470	Efficient polarised output from a unidirectional multi-rod Nd:YVO4 ring resonator. <i>Optics Communications</i> , 2000, 182, 437-442.	1.0	2
471	Dipole traps with mode-locked lasers. <i>Applied Physics B: Lasers and Optics</i> , 2000, 70, 695-700.	1.1	8
472	Suppression of HIV Type 1 Replication by a Dominant-Negative Ets-1 Mutant. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 1981-1989.	0.5	16
473	Antagonism between C/EBPbeta and FOG in eosinophil lineage commitment of multipotent hematopoietic progenitors. <i>Genes and Development</i> , 2000, 14, 2515-2525.	2.7	109
474	<title>Self-adapting thermal lens to compensate for the thermally induced lens in solid state lasers</title>. , 2000, 3930, 123.		0
475	Numerical simulation and analytical description of thermally induced birefringence in laser rods. <i>IEEE Journal of Quantum Electronics</i> , 2000, 36, 620-626.	1.0	29
476	Self-adjusting compensating thermal lens to balance the thermally induced lens in solid-state lasers. <i>IEEE Journal of Quantum Electronics</i> , 2000, 36, 757-764.	1.0	29
477	Tissue specific expression of Yrk kinase: implications for differentiation and inflammation. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 351-364.	1.2	8
478	Novel optical resonators and thermal lensing. , 1999, 3611, 11.		4
479	Synchronously pumped optical parametric oscillation in periodically poled lithium niobate with 1-W average output power. <i>Applied Optics</i> , 1999, 38, 3324.	2.1	6
480	Side-pumped multiwatt Nd:YVO 4 laser mode-locked by a semiconductor saturable Bragg reflector. , 1999, , .		0
481	Regulation of eosinophil-specific gene expression by a C/EBP-Ets complex and GATA-1. <i>EMBO Journal</i> , 1998, 17, 3669-3680.	3.5	107
482	A transcription factor party during blood cell differentiation. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 545-551.	1.5	155
483	Configuration Q-switching in a diode-pumped multirod variable-configuration resonator. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 366-371.	1.0	12
484	Saturation, gain, and noise properties of a multipass diode-laser-pumped Nd:YAG CW amplifier. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 1987-1991.	1.0	8
485	Experimental determination of the fundamental-mode diameter in solid-state lasers. <i>Applied Optics</i> , 1998, 37, 4902.	2.1	2
486	Cooperative interaction of Ets-1 with USF-1 required for HIV-1 enhancer activity in T cells. <i>EMBO Journal</i> , 1998, 17, 1728-1739.	3.5	121

#	ARTICLE	IF	CITATIONS
487	Fundamental efficiency limit of solar power plants. <i>Journal of Applied Physics</i> , 1998, 84, 1109-1112.	1.1	1
488	Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. <i>Journal of Cell Biology</i> , 1997, 138, 1395-1407.	2.3	118
489	The expression pattern of the <i>mafB/kr</i> gene in birds and mice reveals that the kreisler phenotype does not represent a null mutant. <i>Mechanisms of Development</i> , 1997, 65, 111-122.	1.7	104
490	Multi-Nd:YAG-rod variable-configuration resonator (VCR) end pumped by multiple diode-laser bars. <i>Optics Communications</i> , 1997, 135, 171-178.	1.0	25
491	MafB Is an Interaction Partner and Repressor of Ets-1 That Inhibits Erythroid Differentiation. <i>Cell</i> , 1996, 85, 49-60.	13.5	283
492	Excision of Ets by an inducible site-specific recombinase causes differentiation of Myb ⁺ Ets-transformed hematopoietic progenitors. <i>Current Biology</i> , 1996, 6, 866-872.	1.8	17
493	Laser beam quality, entropy and the limits of beam shaping. <i>Optics Communications</i> , 1996, 131, 77-83.	1.0	37
494	Lasing properties of diode-laser-pumped Nd:KGW. <i>Optical Engineering</i> , 1995, 34, 2349.	0.5	39
495	Explanation of the cw operation of the Er ³⁺ :3-1/4m crystal laser. <i>Physical Review A</i> , 1994, 49, 3990-3996.	1.0	107
496	High-power Nd:YLF laser end pumped by a diode-laser bar. <i>Optics Letters</i> , 1993, 18, 1317.	1.7	62
497	Myb: a transcriptional activator linking proliferation and differentiation in hematopoietic cells. <i>Current Opinion in Genetics and Development</i> , 1992, 2, 249-255.	1.5	165
498	Chicken α -erythroid cells transformed by the Gag-Myb-Ets-encoding E26 leukemia virus are multipotent. <i>Cell</i> , 1992, 70, 201-213.	13.5	132
499	Goose-type lysozyme gene of the chicken: sequence, genomic organization and expression reveals major differences to chicken-type lysozyme gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991, 1090, 273-276.	2.4	66
500	Mutations in v-myb alter the differentiation of myelomonocytic cells transformed by the oncogene. <i>Cell</i> , 1990, 63, 1287-1297.	13.5	159
501	The v-myb oncogene product binds to and activates the promyelocyte-specific <i>mim-1</i> gene. <i>Cell</i> , 1989, 59, 1115-1125.	13.5	492
502	A single point mutation in the v-ets oncogene affects both erythroid and myelomonocytic cell differentiation. <i>Cell</i> , 1988, 55, 1147-1158.	13.5	99
503	v-myb dominance over v-myc in doubly transformed chick myelomonocytic cells. <i>Cell</i> , 1987, 51, 41-50.	13.5	72
504	v-mil induces autocrine growth and enhanced tumorigenicity in v-myc-transformed avian macrophages. <i>Cell</i> , 1986, 45, 357-364.	13.5	114

#	ARTICLE	IF	CITATIONS
505	v-erbA cooperates with sarcoma oncogenes in leukemic cell transformation. <i>Cell</i> , 1986, 45, 349-356.	13.5	169
506	S13, a rapidly oncogenic replication-defective avian retrovirus. <i>Virology</i> , 1985, 145, 141-153.	1.1	39
507	DNA-binding activity is associated with purified myb proteins from AMV and E26 viruses and is temperature-sensitive for E26 ts mutants. <i>Cell</i> , 1985, 40, 983-990.	13.5	135
508	Synthesis of the nuclear protein cyclin does not correlate directly with transformation in quail embryo fibroblasts. <i>Experimental Cell Research</i> , 1985, 156, 450-454.	1.2	19
509	Autocrine growth induced by src-related oncogenes in transformed chicken myeloid cells. <i>Cell</i> , 1984, 39, 439-445.	13.5	175
510	Ts mutants of E26 leukemia virus allow transformed myeloblasts, but not erythroblasts or fibroblasts to differentiate at the nonpermissive temperature. <i>Cell</i> , 1984, 39, 579-588.	13.5	139
511	Transforming capacities of avian erythroblastosis virus mutants deleted in the erbA or erbB oncogenes. <i>Cell</i> , 1983, 32, 227-238.	13.5	335
512	Identification and characterization of the avian erythroblastosis virus erbB gene product as a membrane glycoprotein. <i>Cell</i> , 1983, 32, 579-588.	13.5	199
513	Detection of avian hematopoietic cell surface antigens with monoclonal antibodies to myeloid cells. <i>Experimental Cell Research</i> , 1983, 143, 383-394.	1.2	72
514	The cellular oncogenes c-myc, c-myb and c-erb are transcribed in defined types of avian hematopoietic cells. <i>Experimental Cell Research</i> , 1983, 149, 151-162.	1.2	87
515	Hormone-dependent terminal differentiation in vitro of chicken erythroleukemia cells transformed by ts mutants of avian erythroblastosis virus. <i>Cell</i> , 1982, 28, 907-919.	13.5	229
516	Transformation of both erythroid and myeloid cells by E26, an avian leukemia virus that contains the myb gene. <i>Cell</i> , 1982, 31, 643-653.	13.5	275
517	Expression of a chicken lysozyme recombinant gene is regulated by progesterone and dexamethasone after microinjection into oviduct cells. <i>Cell</i> , 1982, 31, 167-176.	13.5	102
518	Temperature-sensitive changes in the structure of globin chromatin in lines of red cell precursors transformed by ts-AEV. <i>Cell</i> , 1982, 28, 931-940.	13.5	110
519	Avian leukemia viruses oncogenes and genome structure. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1982, 651, 245-271.	3.3	65
520	Characterization of the hematopoietic target cells of AEV, MC29 and AMV avian leukemia viruses. <i>Experimental Cell Research</i> , 1981, 131, 331-343.	1.2	109
521	Clonal isolate of the simian sarcoma virus codes for a gag-related 65,000-dalton protein. <i>Virology</i> , 1981, 114, 124-131.	1.1	7
522	Production and characterization of antisera specific for the erb-portion of p75, the presumptive transforming protein of avian erythroblastosis virus. <i>Virology</i> , 1981, 111, 201-210.	1.1	38

#	ARTICLE	IF	CITATIONS
523	Hematopoietic cells transformed in vitro by REVT avian reticuloendotheliosis virus express characteristics of very immature lymphoid cells. <i>Virology</i> , 1981, 115, 295-309.	1.1	126
524	Mutant of avian erythroblastosis virus defective for erythroblast transformation: deletion in the erb portion of p75 suggests function of the protein in leukemogenesis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 6683-6686.	3.3	21
525	Mutants of avian myelocytomatosis virus with smaller gag gene-related proteins have an altered transforming ability. <i>Nature</i> , 1980, 288, 170-172.	13.7	98
526	Transformation parameters of chicken embryo fibroblasts infected with the ts34 mutant of avian erythroblastosis virus. <i>Virology</i> , 1980, 100, 348-356.	1.1	26
527	Three new types of viral oncogene of cellular origin specific for haematopoietic cell transformation. <i>Nature</i> , 1979, 281, 452-455.	13.7	492
528	Chicken hematopoietic cells transformed by seven strains of defective avian leukemia viruses display three distinct phenotypes of differentiation. <i>Cell</i> , 1979, 18, 375-390.	13.5	778
529	Transforming capacities and defectiveness of avian leukemia viruses OK10 and E26. <i>Virology</i> , 1979, 99, 431-436.	1.1	97
530	Defectiveness of avian erythroblastosis virus: synthesis of a 75K gag-related protein. <i>Virology</i> , 1979, 92, 31-45.	1.1	192
531	Cells transformed by avian myelocytomatosis virus strain CMII contain a 90K gag-related protein. <i>Virology</i> , 1979, 98, 191-199.	1.1	44
532	Avian leukemia viruses interaction with their target cells in vivo and in vitro. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1978, 516, 269-299.	3.3	305
533	Differential expression of Rous Sarcoma virus-specific transformation parameters in enucleated cells. <i>Cell</i> , 1978, 14, 843-856.	13.5	83
534	Avian myelocytomatosis and erythroblastosis viruses lack the transforming gene src of avian sarcoma viruses. <i>Cell</i> , 1978, 13, 745-750.	13.5	75
535	Transformation parameters in chicken fibroblasts transformed by AEV and MC29 avian leukemia viruses. <i>Cell</i> , 1978, 13, 751-760.	13.5	144
536	Studies of simian sarcoma and simian sarcoma-associated virus II. Isolation of the major viral glycoprotein, properties of this component and its specific antiserum. <i>Virology</i> , 1978, 90, 360-365.	1.1	19
537	The dicyclohexylcarbodiimide-binding protein of the mitochondrial ATPase complex from beef heart. <i>FEBS Letters</i> , 1978, 94, 218-222.	1.3	74
538	In vitro transformation with avian myelocytomatosis virus strain CMII: Characterization of the virus and its target cells. <i>Virology</i> , 1977, 83, 96-109.	1.1	28
539	Isolation of clonal strains of chicken embryo fibroblasts. <i>Experimental Cell Research</i> , 1977, 107, 417-428.	1.2	41
540	Tumor specificity of acute avian leukemia viruses reflected by their transformation target cell specificity in vitro. <i>Medical Microbiology and Immunology</i> , 1977, 164, 139-153.	2.6	8

#	ARTICLE	IF	CITATIONS
541	A novel type of cellular variant with altered expression of virus-induced cell transformation. <i>Virology</i> , 1976, 72, 283-286.	1.1	12
542	Evidence for the multiple oncogenic potential of cloned leukemia virus: In vitro and in vivo studies with avian erythroblastosis virus. <i>Virology</i> , 1976, 71, 423-433.	1.1	180
543	Expression of Virus Specific Morphological Cell Transformation Induced in E nucleated Cells. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1976, 31, 766-768b.	0.6	10
544	In Vitro Transformation of Chicken Bone Marrow Cells with Avian Erythroblastosis Virus. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1975, 30, 847-849.	0.6	47
545	Biochemical properties of oncornavirus polypeptides. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1974, 355, 220-235.	3.3	18
546	Two types of target cells for transformation with avian myelocytomatosis virus. <i>Virology</i> , 1973, 54, 398-413.	1.1	149
547	Differential expression of transformation in rat and chicken cells infected with an avian sarcoma virus ts mutant. <i>Virology</i> , 1973, 56, 369-374.	1.1	58
548	Cell-surface antigens induced by avian RNA tumor viruses: Detection by immunoferritin technique. <i>Virology</i> , 1972, 47, 416-425.	1.1	81
549	A plaque assay for avian RNA tumor viruses. <i>Virology</i> , 1972, 50, 567-578.	1.1	120
550	Size differences among the high molecular weight RNA's of avian tumor viruses. <i>Virology</i> , 1971, 43, 214-222.	1.1	23
551	Studies on the reproductive and cell-converting abilities of avian sarcoma viruses. <i>Virology</i> , 1971, 43, 427-441.	1.1	39
552	Strain-specific antigen of the avian leukosis sarcoma virus group. <i>Virology</i> , 1970, 40, 530-539.	1.1	69
553	Efficient Polarised Output from an End-Pumped Multirod Variable-Configuration Resonator. , 0, , .		0
554	Q-Switching a Continuously End-Pumped Multirod Resonator. , 0, , .		0
555	Diode-pumped passively mode-locked Nd:KGd(WO/sub 4/)/sub 2/ laser using saturable Bragg reflector. , 0, , .		0
556	1.56 watt CW Tm/sup 3+/:ZBLAN fiber laser at 1.47 Î¼m. , 0, , .		0
557	Coupled-mode formulation for novel waveguide geometries. , 0, , .		0
558	Generation of radially polarised beams in Nd:YAG lasers. , 0, , .		0

#	ARTICLE	IF	CITATIONS
559	Super-Gaussian modes in Nd:YAG laser resonators with graded-phase mirrors. , 0, , .		0
560	Theoretical investigation on the elimination of the period chirp by deliberate substrate deformations. Optics Express, 0, , .	1.7	3