Jan K Jabczynski

List of Publications by Year
in descending order

92	300	933447 10	888059 17
papers	citations	h-index	g-index

92	92	92	205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Q-switched mode locking with acousto-optic modulator in a diode-pumped Nd:YVO4 laser. Optics Express, 2006, 14, 2184.	3.4	64
2	Efficient diode-pumped passively Q-switched Raman laser on barium tungstate crystal. Optics Communications, 2002, 209, 403-409.	2.1	39
3	Chromium-doped LiCAF laser passively Q switched with a V^3+:YAG crystal. Applied Optics, 2001, 40, 6638.	2.1	22
4	Impact of atmospheric turbulence on coherent beam combining for laser weapon systems. Defence Technology, 2021, 17, 1160-1167.	4.2	18
5	Effect of beam profile and partial coherence on coherent beam combining performance. Optics Communications, 2019, 442, 40-45.	2.1	15
6	An efficient continuous-wave and Q-switched single-pass two-stage Ho:YLF MOPA system. Optics and Laser Technology, 2015, 67, 93-97.	4.6	13
7	Modeling of diode pumped laser with pump dependent diffraction loss. Optics Communications, 2000, 182, 413-422.	2.1	12
8	Modeling of beam width in passively Q-switched end-pumped lasers. Optics Express, 2003, 11, 552.	3.4	12
9	High peak power Nd:YAG laser pumped by 600-W diode laser stack. Optics and Laser Technology, 2008, 40, 441-444.	4.6	11
10	Optimization of end-pumped, actively Q-switched quasi-III-level lasers. Optics Express, 2011, 19, 15652.	3.4	11
11	Continuous-wave and high repetition rate Q-switched operation of Ho:YLF laser in-band pumped by a linearly polarized Tm:fiber laser. Optics and Laser Technology, 2014, 63, 66-69.	4.6	11
12	Analysis of the caustics of partially coherently combined truncated Gaussian beams. Applied Optics, 2020, 59, 3340.	1.8	8
13	Comparison of diode-side-pumped triangular Nd:YAG and Nd:YAP laser. , 2005, , .		6
14	Diode-pumped, actively Q-switched Nd:YAG laser with self-adaptive, reciprocal, closed-loop resonator. Optics Express, 2014, 22, 30657.	3.4	6
15	Simplified sensitivity analysis of coherent beam combining in a tiled aperture architecture. Applied Optics, 2021, 60, 5012.	1.8	6
16	Minimum averaged area of asymmetric multimode pumping beam. Optics Communications, 1997, 140, 1-5.	2.1	5
17	<title>Acousto-optic modulation in diode pumped solid state lasers</title>. , 2006, , .		4
18	Comparison of tunable lasers based on diode pumped Tm-doped crystals. Proceedings of SPIE, 2008, , .	0.8	4

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19	Diode-side-pumped, passively Q-switched Yb:LuAG laser. Optics and Laser Technology, 2015, 73, 101-104.	4.6	4
20	Modeling of the laser beam shape for high-power applications. Optical Engineering, 2018, 57, 1.	1.0	4
21	Influence of beam shape on piston and tilt error in coherent combined laser array. Optical Engineering, 2019, 58, 1.	1.0	3
22	Diode-pumped passively Q-switched nanosecond Raman laser on BaWO 4 crystal converter. , 2003, 5036, 582.		2
23	<title>Nd:YAG slab laser side pumped by 600-W diode laser stack</title>. , 2006, , .		2
24	Acousto-optic modulation in diode-pumped solid-state lasers. Optical Engineering, 2007, 46, 074202.	1.0	2
25	Development of laser technology in Poland: 2016. , 2016, , .		2
26	Propagation of aberrated Gaussian beams. , 1998, , .		1
27	Optical characterization of diode side pumped active elements. , 2003, , .		1
28	Intracavity optical parametric oscillator pumped by acousto-optically Q-switched Nd:YVO 4 laser. , 2005, , .		1
29	Passively <inline-formula><math altimg="none" display="inline" overflow="scroll"><mi>Q</mi></math></inline-formula>-switched neodymium slab lasers at <inline-formula><math altimg="none" display="inline" overflow="scroll"><mrow><mn>1.3</mn><mtext>-</mtext><mi>Î¼</mi><mi mathvariant="normal">m</mi></mrow></math></inline-formula> wavelength side-pumped by a	1.0	1
30	<inline-formula><math altimg="none" display="inline" overflow="scroll"><mrow><mn>600</mn><mt Efficient, high peak power, Q-switched, tunable diode pumped Tm:YLF laser. , 2008, , .		1
31	The investigations of tunable, high peak power, diode pumped Tm:YLF laser. , 2008, , .		1
32	A highly efficient resonantly pumped Ho:YAG laser. Proceedings of SPIE, 2012, , .	0.8	1
33	Near-diffraction-limited, high peak power, electro-optically Q-switched, diode-side-pumped Nd:YVO4 grazing-incidence oscillator. Optics and Laser Technology, 2015, 65, 50-55.	4.6	1
34	Investigative study of a diode-pumped continuous-wave Tm:YAP laser as an efficient 1.94 Î¼m pump source. , 2016, , .		1
35	Characterization of Absorption Losses and Transient Thermo-Optic Effects in a High-Power Laser System. Photonics, 2020, 7, 94.	2.0	1
36	High-peak power, athermal Nd:YAG transmitter. , 2017, , .		1

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37	Characterization of beam quality of 10-kW class laser. , 2019, , .		1
38	Analysis of partially coherent combining of 2D arrays of laser beams. , 2018, , .		1
39	Tolerance analysis of coherent combining optical system. , 2018, , .		1
40	An Analytical Model Of Focal Region Of Conical , Annular Beam -2 - D And 3 - D Cases.. Proceedings of SPIE, 1990, 1121, 624.	0.8	0
41	<title>Quasi-geometrical approach in laser diode optics problems</title>. , 1995, , .		0
42	<title>Thermally induced GRIN effects in diode-pumped lasers</title>. , 1996, , .		0
43	<title>Pulsed diode-pumped solid state lasers</title>. , 1997, 3186, 284.		0
44	<title>Influence of active media parameters on generation characteristics of microlasers</title>. , 1997, , .		0
45	<title>Formation of diode end-pumped laser beams</title>. , 1997, 3186, 296.		0
46	Tunable single-frequency diode-pumped neodymium lasers with metallic thin film selectors. , 1997, , .		0
47	Single-frequency generation in Nd:crystals diode-pumped lasers. , 1998, 3320, 274.		0
48	Passively mode-locked Q-switched Nd:YAP 1.34-um/1.08-um laser with efficient hollow-waveguide radiation delivery. , 2002, , .		0
49	Passively Q-switched diode-pumped Nd:YAG laser with intracavity optical parametric oscillator. , 2003, , .		0
50	Diode pumped cw mode locked Nd:YVO 4 laser. , 2005, , .		0
51	<title>Application of Wigner transform for characterization of aberrated laser beams</title>. , 2005, , .		0
52	Characterization of thermo-optic effects in diode end pumped lasers. , 2005, , .		0
53	Intracavity pumped gain-switched broadband LiF:F 2 - laser. , 2005, , .		0
54	Investigations of Q-switching and mode locking in diode-pumped Nd:YVO 4 laser with passive saturable absorbers. , 2005, , .		0

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55	Diode pumped Q-switched and mode locked lasers. , 2005, 5958, 22.		0
56	<title>Characterization of thermo-optic effects in diode pumped solid state lasers</title>. , 2005, , .		0
57	New wavelengths generated by BaWO 4 or KGW intracavity Raman laser. , 2006, 6100, 377.		0
58	<title>A highly efficient pulsed Nd:YVO<formula><inf><roman>4</roman></inf></formula> laser pumped by two high-power diode lasers</title>. , 2006, 6599, 68.		0
59	High power single- and double-frequency, tunable mini-laser with nano-film selector for onboard applications. , 2006, 6243, 197.		0
60	High-peak-power intracavity OPO transmitter at 1572 nm. , 2006, 6216, 237.		0
61	Side-pumped neodymium slab lasers Q-switched by V:YAG on 1.3Î¼m. , 2006, 6100, 444.		0
62	2-mJ picosecond Nd:YAG slab laser passively Q-switched and mode-locked using multiple quantum well saturable absorbers. , 2007, , .		0
63	Quasi CW Laser Diode Side Pumped Nd:YAG Slab Laser Passively Mode-locked Using Multiple Quantum Well Saturable Absorbers. , 2007, , .		0
64	Ytterbium doped phosphate glass air-clad photonic crystal fiber for laser applications. Proceedings of SPIE, 2008, , .	0.8	0
65	High repetition rate, acousto-optic Q-switched, diode pumped Tm:YLF laser. , 2008, , .		0
66	Optical and laser characterization of 2% Nd:YAG ceramics elements. , 2008, , .		0
67	Technology and characterization of Nd:YAG ceramics. AIP Conference Proceedings, 2010, , .	0.4	0
68	Analysis of thermo-optic effects in Nd:YAG ceramics disk under high heat load. Proceedings of SPIE, 2011, , .	0.8	0
69	The investigation of transient thermal effects in optical elements under high laser intensities. Proceedings of SPIE, 2012, , .	0.8	0
70	Analysis on non-stationary thermo-optical effects occurring in laser mirrors under high heat load. , 2012, , .		0
71	Polycrystaline Cr2+:ZnSe Laser Pumped by Efficient Tm:YLF Oscillator. , 2013, , .		0
72	Low threshold polycrystalline Cr:ZnSe laser gain-switched in high inversion regime. , 2014, , .		0

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73	Self-adaptive, passively Q-switched, diode-side-pumped Nd:YAG slab laser. Proceedings of SPIE, 2014, , .	0.8	0
74	Diode pumped Yb-lasers Q-switched by V:YAG saturable absorber. Proceedings of SPIE, 2014, , .	0.8	0
75	Polycrystaline Cr:ZnSe laser pumped by efficient Tm:YLF laser. Proceedings of SPIE, 2014, , .	0.8	0
76	Diffraction-limited, grazing-incidence Nd:YVO4slab laser side pumped by 2D laser diode stack. , 2014, , .		0
77	Design and characterization of beam shapers for end-pumped lasers. , 2014, , .		0
78	Ultra low threshold gain-switched Cr:ZnSe laser. , 2014, , .		0
79	Model of partially coherent combining and propagation of 2D array of laser beams. , 2018, , .		0
80	Tolerance Analysis for Piston and Tilt Error in Hexagonal Laser Phased Array. , 2019, , .		0
81	Highly efficient, intracavity-pumped KTP OPO at 1572 nm. , 2005, , .		0
82	Acousto-Optic Q-Switching and Mode Locking in Diode Pumped Nd:YVO4 Laser. , 2006, , .		0
83	Resonantly pumped, Q-switched Ho:YLF laser with output energy of 5 mJ at 1 kHz. Photonics Letters of Poland, 2014, 6, .	0.4	0
84	Optimization of diode-side-pumped, passively Q-switched Yb:LuAG slab laser. , 2015, , .		0
85	Analysis of pumping schemes for high brightness diode-side-pumped lasers. , 2016, , .		0
86	Analysis of optical scheme for medium-range directed energy laser weapon system. , 2017, , .		0
87	Development of laser technology in Poland: 2018. , 2018, , .		0
88	Beam quality characterization of 10-kW CW fiber laser effector. , 2019, , .		0
89	Propagation of coherently combined beams in turbulent atmosphere: analytical approach. , 2020, , .		0
90	Investigations of transient thermal optics effects in 10kW fiber laser effector. , 2020, , .		0

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91	Vortex Coherent Beam Combining. , 2021, , .		0
92	Segmented vortex wavefront coherent beam combining. AIP Advances, 2022, 12, .	1.3	0