

Alan J Kemp

List of Publications by Citations

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

46
papers

877
citations

20
h-index

28
g-index

60
ext. papers

1,086
ext. citations

2.8
avg, IF

3.89
L-index

#	Paper	IF	Citations
46	Directly diode-laser-pumped Ti:sapphire laser. <i>Optics Letters</i> , 2009 , 34, 3334-6	3	63
45	Tunable ultraviolet output from an intracavity frequency-doubled red vertical-external-cavity surface-emitting laser. <i>Applied Physics Letters</i> , 2006 , 89, 061114	3.4	55
44	. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 328-337	2	46
43	Direct diode-laser pumping of a mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 2011 , 36, 304-6	3	46
42	. <i>IEEE Journal of Quantum Electronics</i> , 2013 , 49, 218-223	2	39
41	. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 125-135	2	38
40	Spectral broadening in continuous-wave intracavity Raman lasers. <i>Optics Express</i> , 2014 , 22, 7492-502	3.3	36
39	Synthetic Diamond for Intracavity Thermal Management in Compact Solid-State Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 709-717	2	36
38	Power scaling of a directly diode-laser-pumped Ti:sapphire laser. <i>Optics Express</i> , 2012 , 20, 20629-34	3.3	35
37	Monolithic diamond Raman laser. <i>Optics Letters</i> , 2015 , 40, 930-3	3	34
36	Continuous-wave diamond Raman laser. <i>Optics Letters</i> , 2010 , 35, 2994-6	3	33
35	An intra-cavity Raman laser using synthetic single-crystal diamond. <i>Optics Express</i> , 2010 , 18, 16765-70	3.3	32
34	Intracavity diamond heatspreaders in lasers: the effects of birefringence. <i>Optics Express</i> , 2006 , 14, 9250-60	3.3	32
33	Continuous Tuning and Efficient Intracavity Second-Harmonic Generation in a Semiconductor Disk Laser With an Intracavity Diamond Heatspreader. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 216-225 ²		29
32	1.6 W continuous-wave Raman laser using low-loss synthetic diamond. <i>Optics Express</i> , 2011 , 19, 6938-44	3.3	28
31	Tunable continuous-wave diamond Raman laser. <i>Optics Express</i> , 2011 , 19, 24165-70	3.3	27
30	Microchip Nd:vanadate lasers at 1342 and 671nm. <i>Optics Letters</i> , 1997 , 22, 1781-3	3	26

29	Compact and efficient Nd:YVO 4 laser that generates a tunable single-frequency green output. <i>Applied Optics</i> , 2000 , 39, 4333-7	1.7	25
28	Pulsed pumping of semiconductor disk lasers. <i>Optics Express</i> , 2007 , 15, 3247-56	3.3	21
27	Large radius of curvature micro-lenses on single crystal diamond for application in monolithic diamond Raman lasers. <i>Diamond and Related Materials</i> , 2016 , 65, 37-41	3.5	20
26	Laser spectroscopy of NV- and NV0 colour centres in synthetic diamond. <i>Optical Materials Express</i> , 2017 , 7, 2571	2.6	20
25	Continuous-wave Raman laser pumped within a semiconductor disk laser cavity. <i>Optics Letters</i> , 2011 , 36, 1083-5	3	20
24	Ultrafast diode-pumped Ti:sapphire laser with broad tunability. <i>Optics Express</i> , 2018 , 26, 6826-6832	3.3	19
23	Measurement of thermal lensing in a CW BaWO4 intracavity Raman laser. <i>Optics Express</i> , 2012 , 20, 9810-83	3.3	18
22	Cascaded crystalline Raman lasers for extended wavelength coverage: continuous-wave, third-Stokes operation. <i>Optica</i> , 2018 , 5, 1406	8.6	13
21	Intracavity Raman conversion of a red semiconductor disk laser using diamond. <i>Optics Express</i> , 2015 , 23, 8454-61	3.3	11
20	1.4 μ m continuous-wave diamond Raman laser. <i>Optics Express</i> , 2017 , 25, 31377-31383	3.3	10
19	100 kW peak power external cavity diamond Raman laser at 2.52 μ m. <i>Optics Express</i> , 2019 , 27, 10296-10303	3.3	10
18	Thermal Management, Structure Design, and Integration Considerations for VECSELs 2010 , 73-117		8
17	Sub-100 ps Monolithic Diamond Raman Laser Emitting at 573 nm. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 981-984	2.2	6
16	Optically Pumped Saturable Bragg Reflectors: Nonlinear Spectroscopy and Application in Ultrafast Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1650-1655	2	6
15	Array-Format Microchip Semiconductor Disk Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 1096-1103	1.1	6
14	Thermal management in disc lasers: doped-dielectric and semiconductor laser gain media in thin-disc and microchip formats. <i>Journal of Modern Optics</i> , 2007 , 54, 1669-1676	1.1	6
13	Broad tunability from a compact, low-threshold Cr:LiSAF laser incorporating an improved birefringent filter and multiple-cavity Gires-Tournois interferometer mirrors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 1236	1.7	4
12	InGaAs-QW VECSEL emitting >1.300-nm via intracavity Raman conversion 2016 ,		3

11	Time-Resolved Raman Spectrometer With High Fluorescence Rejection Based on a CMOS SPAD Line Sensor and a 573-nm Pulsed Laser. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	3
10	2011 ,		2
9	2019 ,		1
8	Titanium Sapphire: A Decade of Diode-Laser Pumping 2019 ,		1
7	Energy scaling of yellow emission from monolithic diamond Raman lasers 2017 ,		1
6	Corrections to Characterization of Single-Crystal Synthetic Diamond for Multi-Watt Continuous-Wave Raman Lasers [Mar 12 328-337]. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1494-1494		1
5	Thermal Management of Lasers and LEDs Using Diamond 2013 , 353-384		1
4	Low-loss synthetic single-crystal diamond: Raman gain measurement and high power Raman laser at 1240 nm 2011 ,		1
3	GaN diode-pumping of a red semiconductor disk laser 2008 ,		1
2	Diamond in Solid-State Disk Lasers: Thermal Management and CW Raman generation 2009 ,		1
1	Energy Scaling, Second Stokes Oscillation, and Raman Gain-Guiding in Monolithic Diamond Raman Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2018 , 54, 1-8	2	1