

Alan J Kemp

List of Publications by Year in Descending Order

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

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	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
45	2019 ,		1
44	Titanium Sapphire: A Decade of Diode-Laser Pumping 2019 ,		1
43	100 kW peak power external cavity diamond Raman laser at 2.52 μm . <i>Optics Express</i> , 2019 , 27, 10296-10303	3.3	10
42	Sub-100 ps Monolithic Diamond Raman Laser Emitting at 573 nm. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 981-984	2.2	6
41	Ultrafast diode-pumped Ti:sapphire laser with broad tunability. <i>Optics Express</i> , 2018 , 26, 6826-6832	3.3	19
40	Cascaded crystalline Raman lasers for extended wavelength coverage: continuous-wave, third-Stokes operation. <i>Optica</i> , 2018 , 5, 1406	8.6	13
39	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
38	Energy scaling of yellow emission from monolithic diamond Raman lasers 2017 ,		1
37	1.4 μm continuous-wave diamond Raman laser. <i>Optics Express</i> , 2017 , 25, 31377-31383	3.3	10
36	Laser spectroscopy of NV- and NV0 colour centres in synthetic diamond. <i>Optical Materials Express</i> , 2017 , 7, 2571	2.6	20
35	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
34	InGaAs-QW VECSEL emitting >1.300-nm via intracavity Raman conversion 2016 ,		3
33	Intracavity Raman conversion of a red semiconductor disk laser using diamond. <i>Optics Express</i> , 2015 , 23, 8454-61	3.3	11
32	Monolithic diamond Raman laser. <i>Optics Letters</i> , 2015 , 40, 930-3	3	34
31	Spectral broadening in continuous-wave intracavity Raman lasers. <i>Optics Express</i> , 2014 , 22, 7492-502	3.3	36
30	Thermal Management of Lasers and LEDs Using Diamond 2013 , 353-384		1

29	. <i>IEEE Journal of Quantum Electronics</i> , 2013 , 49, 218-223	2	39
28	. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 328-337	2	46
27	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	2	1
26	Measurement of thermal lensing in a CW BaWO ₄ intracavity Raman laser. <i>Optics Express</i> , 2012 , 20, 9810-83	3	18
25	Power scaling of a directly diode-laser-pumped Ti:sapphire laser. <i>Optics Express</i> , 2012 , 20, 20629-34	3	35
24	1.6 W continuous-wave Raman laser using low-loss synthetic diamond. <i>Optics Express</i> , 2011 , 19, 6938-44	3	28
23	Tunable continuous-wave diamond Raman laser. <i>Optics Express</i> , 2011 , 19, 24165-70	3	27
22	Direct diode-laser pumping of a mode-locked Ti:sapphire laser. <i>Optics Letters</i> , 2011 , 36, 304-6	3	46
21	Continuous-wave Raman laser pumped within a semiconductor disk laser cavity. <i>Optics Letters</i> , 2011 , 36, 1083-5	3	20
20	Low-loss synthetic single-crystal diamond: Raman gain measurement and high power Raman laser at 1240 nm 2011 ,		1
19	2011 ,		2
18	Thermal Management, Structure Design, and Integration Considerations for VECSELs 2010 , 73-117		8
17	An intra-cavity Raman laser using synthetic single-crystal diamond. <i>Optics Express</i> , 2010 , 18, 16765-70	3	32
16	Continuous-wave diamond Raman laser. <i>Optics Letters</i> , 2010 , 35, 2994-6	3	33
15	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
14	Directly diode-laser-pumped Ti:sapphire laser. <i>Optics Letters</i> , 2009 , 34, 3334-6	3	63
13	Diamond in Solid-State Disk Lasers: Thermal Management and CW Raman generation 2009 ,		1
12	. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 125-135	2	38

11	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
10	Array-Format Microchip Semiconductor Disk Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 1096-1103		6
9	GaN diode-pumping of a red semiconductor disk laser 2008 ,		1
8	Synthetic Diamond for Intracavity Thermal Management in Compact Solid-State Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008 , 44, 709-717	2	36
7	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
6	Pulsed pumping of semiconductor disk lasers. <i>Optics Express</i> , 2007 , 15, 3247-56	3.3	21
5	Intracavity diamond heatspreaders in lasers: the effects of birefringence. <i>Optics Express</i> , 2006 , 14, 9250-60	3.3	32
4	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
3	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
2	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
1	Microchip Nd:vanadate lasers at 1342 and 671nm. <i>Optics Letters</i> , 1997 , 22, 1781-3	3	26