

Keith G Wilcox

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.

41
papers

946
citations

17
h-index

30
g-index

63
ext. papers

1,259
ext. citations

3.7
avg, IF

3.69
L-index

#	Paper	IF	Citations
41	. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1395-1398	2.2	9
40	Design of a solar-pumped semiconductor laser. <i>Optica</i> , 2015 , 2, 56	8.6	8
39	Z-scan measurements of the nonlinear refractive index of a pumped semiconductor disk laser gain medium. <i>Applied Physics Letters</i> , 2015 , 106, 011105	3.4	17
38	Photon-pair generation in photonic crystal fibre with a 1.5GHz modelocked VECSEL. <i>Optics Communications</i> , 2014 , 327, 39-44	2	11
37	Saturated gain spectrum of VECSELs determined by transient measurement of lasing onset. <i>Optics Express</i> , 2014 , 22, 6919-24	3.3	6
36	Gigahertz pulse source by compression of mode-locked VECSEL pulses coherently broadened in the normal dispersion regime. <i>Optics Express</i> , 2014 , 22, 12096-101	3.3	11
35	Supercontinuum Generation With GHz Repetition Rate Femtosecond-Pulse Fiber-Amplified VECSELs. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 464-467	2.2	21
34	Comment on SESAM-free mode-locked semiconductor disk laser. <i>Laser and Photonics Reviews</i> , 2013 , 7, 422-423	8.3	29
33	4.35 kW peak power femtosecond pulse mode-locked VECSEL for supercontinuum generation. <i>Optics Express</i> , 2013 , 21, 1599-605	3.3	94
32	Towards VECSEL frequency combs 2013 ,		1
31	Generation of 200 fs pulses with a short microcavity VECSEL 2013 ,		1
30	Wetting-Layer-Pumped Continuous-Wave Surface-Emitting Quantum-Dot Laser. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 37-39	2.2	3
29	Ultrafast Vertical-External-Cavity Surface-Emitting Semiconductor Lasers. <i>Semiconductors and Semimetals</i> , 2012 , 269-300	0.6	9
28	A wavelength tunable 2-ps pulse VECSEL 2012 ,		3
27	175 GHz, 400-fs-pulse harmonically mode-locked surface emitting semiconductor laser. <i>Optics Express</i> , 2012 , 20, 7040-5	3.3	25
26	Terahertz emission by diffusion of carriers and metal-mask dipole inhibition of radiation. <i>Optics Express</i> , 2012 , 20, 8898-906	3.3	16
25	Repetition-frequency-tunable mode-locked surface emitting semiconductor laser between 2.78 and 7.87 GHz. <i>Optics Express</i> , 2011 , 19, 23453-9	3.3	17

24	Numerical simulation of optical Stark effect saturable absorbers in mode-locked femtosecond VECSELs using a modified two-level atom model. <i>Optics Express</i> , 2011 , 19, 26783-95	3.3	3
23	Numerical modelling of optical Stark effect saturable absorbers in mode-locked femtosecond VECSELs 2011 ,	1	
22	169 GHz repetition rate passively harmonically mode-locked VECSEL emitting 265 fs pulses 2011 ,	2	
21	Variable repetition frequency femtosecond-pulse surface emitting semiconductor laser. <i>Applied Physics Letters</i> , 2011 , 99, 131107	3.4	12
20	High peak power femtosecond pulse VECSELs for terahertz time domain spectroscopy 2011 ,	2	
19	Passively harmonically mode-locked vertical-external-cavity surface-emitting laser emitting 1.1 ps pulses at 147 GHz repetition rate. <i>Applied Physics Letters</i> , 2010 , 97, 251101	3.4	15
18	High Peak Power Femtosecond Pulse Passively Mode-Locked Vertical-External-Cavity Surface-Emitting Laser. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1021-1023	2.2	38
17	Conical refraction Nd:KGd(WO ₄) ₂ laser. <i>Optics Express</i> , 2010 , 18, 2753-9	3.3	65
16	Gain bandwidth characterization of surface-emitting quantum well laser gain structures for femtosecond operation. <i>Optics Express</i> , 2010 , 18, 21330-41	3.3	19
15	Laser with simultaneous Gaussian and conical refraction outputs. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 99, 619-622	1.9	18
14	A passively mode-locked external-cavity semiconductor laser emitting 60-fs pulses. <i>Nature Photonics</i> , 2009 , 3, 729-731	33.9	132
13	Electronically Controlled Pulse Duration Passively Mode-Locked Cr : Forsterite Laser. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1124-1126	2.2	11
12	Subpicosecond quantum dot saturable absorber mode-locked semiconductor disk laser. <i>Applied Physics Letters</i> , 2009 , 94, 251105	3.4	21
11	Capture and release of carriers in InGaAs/GaAs quantum dots. <i>Journal of Physics: Conference Series</i> , 2009 , 193, 012085	0.3	1
10	Compact ultrafast lasers based on quantum-dot structures 2009 ,	1	
9	All-semiconductor room-temperature terahertz time domain spectrometer. <i>Optics Letters</i> , 2008 , 33, 2125-7	3	24
8	Ultrafast optical Stark mode-locked semiconductor laser. <i>Optics Letters</i> , 2008 , 33, 2797-9	3	51
7	Active stabilisation and timing jitter characterisation of sub-500 fs pulse passively modelocked VECSEL. <i>Electronics Letters</i> , 2008 , 44, 1135	1.1	16

6	Passively modelocked 832 nm vertical-external-cavity surface-emitting semiconductor laser producing 15.3 ps pulses at 1.9 GHz repetition rate. <i>Electronics Letters</i> , 2008 , 44, 1469	1.1	7
5	Passively mode-locked 832-nm vertical-external-cavity surface-emitting semiconductor laser producing 15.3-ps pulses at 1.9-GHz repetition rate 2008 ,	1	
4	Timing jitter of 897 MHz optical pulse train from actively stabilised passively modelocked surface-emitting semiconductor laser. <i>Electronics Letters</i> , 2006 , 42, 159	1.1	17
3	Terahertz imaging system based on LT-GaAsSb antenna driven by all-semiconductor femtosecond source. <i>Electronics Letters</i> , 2006 , 42, 1159	1.1	20
2	High-power, high repetition rate picosecond and femtosecond sources based on Yb-doped fiber amplification of VECSELs. <i>Optics Express</i> , 2006 , 14, 9611-6	3.3	67
1	Vertical-external-cavity semiconductor lasers. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, R75-R85	3	121