

K A Shore

List of Publications by Year in descending order

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77
papers

1,906
citations

361413

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254184

43
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78
all docs

78
docs citations

78
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics and applications of laser diode chaos. Nature Photonics, 2015, 9, 151-162.	31.4	522
2	Analysis of gain properties in silver-clad nanowire lasers. , 2013, , .		0
3	Design analysis of ultra-short cavity silver-clad semiconductor nano-lasers. , 2013, , .		1
4	Optimal operating conditions for external cavity semiconductor laser optical chaos communication system. Semiconductor Science and Technology, 2012, 27, 094002.	2.0	8
5	Flat Broadband Chaos in Vertical-Cavity Surface-Emitting Lasers Subject to Chaotic Optical Injection. IEEE Journal of Quantum Electronics, 2012, 48, 1536-1541.	1.9	17
6	Performance optimization of electrically-injected nano-spin VCSELs. , 2011, , .		0
7	Electrically-injected nano-spin VCSELs: Design and applications. , 2011, , .		0
8	Nonlinear dynamics of semiconductor lasers with feedback and modulation. Optics Express, 2010, 18, 16955.	3.4	41
9	Instabilities in semiconductor laser with optical feedback and modulation. , 2010, , .		0
10	Experimental and theoretical study of thermal effects on the dynamical hysteresis in VCSEL turn-on and turn -off. , 2010, , .		0
11	Chaos Synchronisation and Message Extraction in Optical Chaos Communications. AIP Conference Proceedings, 2007, , .	0.4	0
12	Low-Frequency Modulation Effects on the Polarization Dynamics of Vertical-Cavity Surface-Emitting Lasers Subject to Optical Feedback. , 2007, , .		0
13	Correlation dimension signature of wideband chaos synchronization of semiconductor lasers. Optics Letters, 2006, 31, 20.	3.3	32
14	Generalized synchronization in time-delayed systems. Physical Review E, 2005, 71, 016201.	2.1	61
15	Quantum noise management in multi-element laser diode arrays. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S757-S761.	1.4	0
16	Nullified time-of-flight lead-lag in synchronization of chaotic external-cavity laser diodes. Optics Letters, 2003, 28, 1397.	3.3	14
17	Chaotic data encryption using semiconductor laser diodes. , 2003, , .		0
18	Lag times and parameter mismatches in synchronization of unidirectionally coupled chaotic external cavity semiconductor lasers. Physical Review E, 2002, 66, 037202.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Inverse anticipating chaos synchronization. Physical Review E, 2002, 66, 017204.	2.1	34
20	Parameter mismatches and perfect anticipating synchronization in bidirectionally coupled external cavity laser diodes. Physical Review E, 2002, 66, 017206.	2.1	30
21	Transition between anticipating and lag synchronization in chaotic external-cavity laser diodes. Optics Letters, 2002, 27, 1250.	3.3	13
22	GHz Bandwidth Chaotic Optical Data Encryption Using External Cavity Diode Lasers. AIP Conference Proceedings, 2002, , .	0.4	0
23	Data encryption using synchronized chaotic laser diodes. , 2002, , .		0
24	Cascaded synchronization of external-cavity laser diodes. Optics Letters, 2001, 26, 253.	3.3	22
25	Chaos and synchronization of self-pulsating laser diodes. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 166.	2.1	22
26	Experimental Demonstration of Anticipating Synchronization in Chaotic Semiconductor Lasers with Optical Feedback. Physical Review Letters, 2001, 87, 154101.	7.8	192
27	Electron transport process in quantum cascade intersubband semiconductor lasers. Journal of Applied Physics, 2001, 89, 2001-2005.	2.5	14
28	Anticrossing effects in the design of MIR intersubband semiconductor lasers. Journal of Modern Optics, 2000, 47, 1791-1801.	1.3	2
29	Design of organic semiconductor laser structures for low threshold operation. Journal of Modern Optics, 2000, 47, 1921-1932.	1.3	0
30	Mode hopping in a side-mode-injected semiconductor laser. Journal of Modern Optics, 2000, 47, 1763-1769.	1.3	0
31	Relative intensity noise of unipolar intersubband semiconductor lasers. Journal of Modern Optics, 2000, 47, 1825-1835.	1.3	2
32	Experimental verification of the synchronization condition for chaotic external cavity diode lasers. Physical Review E, 2000, 62, 7505-7507.	2.1	27
33	Critical signal strength for effective decoding in diode laser chaotic optical communications. Physical Review E, 2000, 61, 5997-5999.	2.1	20
34	Amplification of picosecond optical pulses in midinfrared intersubband semiconductor optical amplifiers. Applied Physics Letters, 2000, 77, 2449-2451.	3.3	5
35	Integrity of semiconductor laser chaotic communications to naïve eavesdroppers. Optics Letters, 2000, 25, 1663.	3.3	9
36	Self-consistent optical gain and threshold current calculations for near infrared intersubband semiconductor lasers. Journal of Modern Optics, 2000, 47, 1857-1870.	1.3	4

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37	Mechanisms for inducing chaos in broad and narrow linewidth external-cavity laser diodes. Journal of Modern Optics, 2000, 47, 1871-1875.	1.3	0
38	Anticrossing effects in the design of MIR intersubband semiconductor lasers. Journal of Modern Optics, 2000, 47, 1791-1801.	1.3	2
39	Self-consistent optical gain and threshold current calculations for near infrared intersubband semiconductor lasers. Journal of Modern Optics, 2000, 47, 1857-1870.	1.3	1
40	Efficient polarization insensitive four-wave mixing using a semiconductor optical amplifier and one pump source in an optical loop. Applied Physics Letters, 1999, 75, 2710-2712.	3.3	7
41	Four-wave mixing of strong picosecond optical pulses in passive semiconductor waveguides. Applied Physics Letters, 1999, 74, 2105-2107.	3.3	7
42	Demonstration of optical synchronization of chaotic external-cavity laser diodes. Optics Letters, 1999, 24, 466.	3.3	162
43	Signal masking for chaotic optical communication using external-cavity diode lasers. Optics Letters, 1999, 24, 1200.	3.3	142
44	Transition to Pulsed Operation in Short External-Cavity FM Semiconductor Lasers. , 1999, , .		0
45	Optical Gain Calculations for 1.55 μ m Unipolar Intersubband Semiconductor Lasers. , 1999, , .		0
46	Relative intensity noise of unipolar intersubband semiconductor lasers. , 1999, , .		0
47	Self-consistent analysis of carrier transport and carrier capture dynamics in quantum cascade intersubband semiconductor lasers. , 1999, , .		0
48	Controlling dynamics in external-cavity laser diodes with electronic impulsive delayed feedback. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 551.	2.1	19
49	The influence of gain compression on picosecond optical pulses in semiconductor optical amplifiers. Journal of Modern Optics, 1998, 45, 1211-1218.	1.3	15
50	Self-consistent analysis of the dc modulation response of unipolar semiconductor lasers. Journal of Modern Optics, 1998, 45, 1219-1229.	1.3	20
51	Chaos Control in External Cavity Laser Diodes using Electronic Impulsive Delayed Feedback. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1791-1799.	1.7	10
52	Control of periodic orbits and steady states in external cavity laser diodes using impulsive electronic feedback. Journal of Modern Optics, 1998, 45, 1199-1210.	1.3	0
53	Self-consistent analysis of the dc modulation response of unipolar semiconductor lasers. Journal of Modern Optics, 1998, 45, 1219-1229.	1.3	3
54	Multimode iterative analysis of the dynamic and noise properties of laser diodes subject to optical feedback. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1997, 9, 819-830.	0.9	21

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55	Effects of noise on the turn-on dynamics of a modulated class-B laser in the generalized multistability domain. <i>Physical Review A</i> , 1997, 55, 2426-2434.	2.5	13
56	Nonlinear dynamics of a laser diode subjected to both optical and electronic feedback. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 200.	2.1	39
57	Transverse-mode selection in external-cavity vertical-cavity surface-emitting laser diodes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 2477.	2.1	33
58	MODULATION BANDWIDTH PREDICTIONS FOR INTER-SUBBAND QUANTUM WELL SEMICONDUCTOR LASERS., 1996, , .		0
59	Targeting periodic oscillations of external cavity laser diodes. <i>Optics Letters</i> , 1995, 20, 725.	3.3	14
60	Piezoelectric field effects in InGaAs (111)B quantum wells. <i>Applied Physics Letters</i> , 1995, 67, 1393-1395.	3.3	15
61	Threshold current density calculations for far-infrared semiconductor lasers. <i>Semiconductor Science and Technology</i> , 1994, 9, 1190-1197.	2.0	21
62	Dynamical and noise properties of laser diodes subject to strong optical feedback. <i>Optics Letters</i> , 1994, 19, 2137.	3.3	40
63	Carrier transport and intersubband population inversion in coupled quantum wells. <i>Applied Physics Letters</i> , 1993, 63, 1089-1091.	3.3	31
64	Control of surface-emitting laser diodes by modulating the distributed Bragg mirror reflectivity: Small-signal analysis. <i>Applied Physics Letters</i> , 1993, 63, 2460-2462.	3.3	47
65	Static and dynamic bifurcations in semiconductor lasers for device applications. <i>Optical and Quantum Electronics</i> , 1987, 19, S113-S119.	3.3	4
66	Spatial and temporal instabilities in multistripe semiconductor lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1985, 2, 237.	2.1	13
67	Carrier diffusion and recombination influencing gain and current profiles in planar injection lasers. <i>Journal of Applied Physics</i> , 1984, 56, 1293-1297.	2.5	5
68	Near-field extinction in semiconductor lasers under optical injection. <i>Optical and Quantum Electronics</i> , 1984, 16, 157-164.	3.3	3
69	Above-threshold current leakage effects in stripe-geometry injection lasers. <i>Optical and Quantum Electronics</i> , 1983, 15, 371-379.	3.3	10
70	Optically steered twin-stripe laser beam scanner. <i>Optical and Quantum Electronics</i> , 1983, 15, 461-462.	3.3	6
71	Actively coupled index-guided lasers. <i>Optical and Quantum Electronics</i> , 1983, 15, 247-252.	3.3	6
72	Switching frequency for transverse modes in stripe-geometry injection lasers. <i>Optical and Quantum Electronics</i> , 1983, 15, 497-506.	3.3	12

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73	Constant power contours and bistability in twin-stripe injection lasers. Optical and Quantum Electronics, 1983, 15, 547-548.	3.3	9
74	Picosecond optical switching in semiconductor lasers. Optical and Quantum Electronics, 1983, 15, 549-552.	3.3	6
75	Semiconductor laser bistable operation with an adjustable trigger. Optical and Quantum Electronics, 1982, 14, 321-326.	3.3	20
76	Diffusion and waveguiding effects in twin-stripe injection lasers. Optical and Quantum Electronics, 1982, 14, 169-176.	3.3	15
77	Optically induced spatial instability in twin-stripe-geometry lasers. Optical and Quantum Electronics, 1982, 14, 177-181.	3.3	17