Junji Ohtsubo

List of Publications by Year
in descending order

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59 papers	1,040 citations	430442 18 h-index	414034 32 g-index
61 all docs	61 docs citations	61 times ranked	400 citing authors

#	Article	IF	Citations
1	Experimental synchronization of chaotic oscillations in external-cavity semiconductor lasers. Optics Letters, 2000, 25, 625.	1.7	113
2	15-GHz message transmission based on synchronization of chaos in semiconductor lasers. Optics Letters, 2002, 27, 989.	1.7	84
3	Synchronization of feedback-induced chaos in semiconductor lasers by optical injection. Physical Review A, 2002, 65, .	1.0	81
4	Observation of the synchronization of chaos in mutually injected vertical-cavity surface-emitting semiconductor lasers. Optics Letters, 2003, 28, 1677.	1.7	77
5	Controlling dynamical behavior of a semiconductor laser with external optical feedback. Physical Review E, 1995, 51, R2697-R2700.	0.8	72
6	Experimental synchronization of chaotic oscillations in externally injected semiconductor lasers in a low-frequency fluctuation regime. Optics Letters, 1999, 24, 1570.	1.7	69
7	Feedback Induced Instability and Chaos in Semiconductor Lasers and Their Applications. Optical Review, 1999, 6, 1-15.	1.2	64
8	Low-frequency fluctuation induced by injection-current modulation in semiconductor lasers with optical feedback. Optics Letters, 1998, 23, 1369.	1.7	49
9	Experimental control of chaos in a laser-diode interferometer with delayed feedback. Optics Letters, 1994, 19, 448.	1.7	40
10	Synchronization of Chaotic Oscillations in Mutually Coupled Semiconductor Lasers. Optical Review, 2001, 8, 351-357.	1.2	32
11	Control of Spatio-Temporal Dynamics of Broad-Area Semiconductor Lasers by Strong Optical Injection. IEEE Photonics Technology Letters, 2009, 21, 1051-1053.	1.3	27
12	Chaotic dynamics in semiconductor lasers with optical feedback. Progress in Optics, 2002, , 1-84.	0.4	23
13	Practical image encryption and decryption by phase-coding technique for optical security systems. Applied Optics, 2002, 41, 4848.	2.1	23
14	Chaotic dynamics in semiconductor lasers subjected to polarization-rotated optical feedback. Applied Physics Letters, 2008, 93, 181105.	1.5	23
15	Dynamics of Semiconductor Lasers with Optical Feedback from Photorefractive Phase Conjugate Mirror. Optical Review, 1999, 6, 359-364.	1.2	22
16	Experimental Investigation of Stability Enhancement in Semiconductor Lasers with Optical Feedback. Optical Review, 1998, 5, 280-284.	1.2	21
17	Dynamics of Broad-Area Semiconductor Lasers With Short Optical Feedback. IEEE Journal of Quantum Electronics, 2010, 46, 140-149.	1.0	20
18	Observation of low-frequency fluctuations in vertical-cavity surface-emitting lasers. Optics Letters, 2003, 28, 896.	1.7	19

#	Article	IF	Citations
19	Chaos synchronization based on a continuous chaos control method in semiconductor lasers with optical feedback. Physical Review E, 2001, 63, 066203.	0.8	18
20	Low-Frequency Fluctuation and Frequency-Locking in Semiconductor Lasers with Long External Cavity Feedback. Optical Review, 1999, 6, 399-401.	1.2	13
21	Dynamics and pulse-package oscillations in broad-area semiconductor lasers with short optical feedback. Applied Physics Letters, 2012, 101, .	1.5	12
22	Chaos dynamics in semiconductor lasers with polarization-rotated optical feedback. Optical Review, 2010, 17, 144-151.	1.2	11
23	Regenerative spiking oscillation in a semiconductor laser with a nonlinear delayed feedback. Physical Review A, 1993, 47, 4392-4399.	1.0	10
24	Accessing high-mode oscillations in a delayed optical bistable system. Optics Communications, 1994, 105, 193-198.	1.0	10
25	Relaxation Oscillation Enhancement and Coherence Collapse in Semiconductor Lasers with Optical Feedback. Optical Review, 1999, 6, 365-371.	1.2	10
26	Hiding information using a checkered pattern. Optical Review, 2009, 16, 517-520.	1.2	10
27	Spatial-mode analysis in broad-area semiconductor lasers subjected to optical feedback. Optical Review, 2013, 20, 308-313.	1.2	10
28	Observation of multi-path interference in broad-area semiconductor lasers with optical feedback. Optical Review, 2009, 16, 533-539.	1.2	9
29	Optical Digital Fast Fourier Transform System. Optical Review, 1999, 6, 424-432.	1.2	8
30	Controlling Chaos of a Delayed Optical Bistable System. Optical Review, 1994, 1, 91-93.	1.2	7
31	Application of Random Texture in Cholesteric Liquid Crystal for Security Devices. Molecular Crystals and Liquid Crystals, 2010, 516, 253-259.	0.4	7
32	Chaotic Optical Communication. , 2005, , 307-333.		6
33	Synchronization properties and effects of parameter mismatches in unidirectionally coupled chaotic vertical-cavity surface-emitting lasers. Optical Review, 2013, 20, 314-320.	1.2	6
34	Modulation Induced Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback and Their Suppression by Synchronous Modulation. Optical Review, 2002, 9, 234-237.	1.2	4
35	Fast Optimization of Binary Encrypted Hologram Based on Error Correction Method in Optical Security Systems. Optical Review, 2007, 14, 290-296.	1.2	4
36	Numerical Study of Doppler Dynamics in Self-Mixing Semiconductor Lasers. IEEE Photonics Technology Letters, 2009, 21, 742-744.	1.3	4

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37	Chaos synchronization in semiconductor lasers with polarization-rotated optical feedback. Optical Review, 2010, 17, 467-475.	1.2	4
38	Design of Two-Dimensional Optimized Banyan Networks. Optical Review, 2002, 9, 255-259.	1.2	2
39	Designing of Smectic Layer Alignment by Optical Patterning using Smectic Layer Rotation. Molecular Crystals and Liquid Crystals, 2004, 409, 243-250.	0.4	2
40	Hiding a checkered-pattern carrier-screen image in a camouflaged halftone image. Optical Review, 2014, 21, 237-242.	1.2	2
41	Optical Recording by Smectic Layer Rotation in a Ferroelectric Liquid Crystal Device with an Amorphous Si Layer. Molecular Crystals and Liquid Crystals, 2005, 434, 87/[415]-95/[423].	0.4	1
42	Chaos and Control in Semiconductor Lasers. , 0, , 475-499.		1
43	Optimization of Binary Hologram Degraded by Periodic Lattice Structure of Liquid-Crystal Device Panel in Real Optical Security Systems. Optical Review, 2007, 14, 266-270.	1.2	1
44	Chaos Control and Applications. Springer Series in Optical Sciences, 2017, , 363-384.	0.5	1
45	MEASUREMENT METHOD OF BEAM PROFILE ON ROTATING OPTICAL DISK. Journal of the Magnetics Society of Japan, 1996, 20, S1_381-384.	0.4	1
46	Dynamics of Semiconductor Lasers with Optical Feedback. Springer Series in Optical Sciences, 2017, , 113-182.	0.5	1
47	Dynamics of Self-Pulsating Semiconductor Lasers Induced by Injection Current Modulation. , 2006, , .		0
48	Chaos Dynamics and Control in Broad-Area Semiconductor Lasers. The Review of Laser Engineering, 2011, 39, 481-487.	0.0	0
49	Filament dynamics and synchronization in broad-area semiconductor lasers. , 2013, , .		0
50	Dynamics of Semiconductor Lasers with Optoelectronic Feedback and Modulation. Springer Series in Optical Sciences, 2013, , 205-238.	0.5	0
51	Dynamics of Semiconductor Lasers with Optical Feedback. Springer Series in Optical Sciences, 2013, , 103-168.	0.5	0
52	Chaos Control and Applications. Springer Series in Optical Sciences, 2013, , 329-351.	0.5	0
53	Chaotic Communications in Semiconductor Lasers. Springer Series in Optical Sciences, 2013, , 463-507.	0.5	0
54	Chaos Synchronization in Semiconductor Lasers. Springer Series in Optical Sciences, 2013, , 415-461.	0.5	0

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55	Chaos Synchronization in Semiconductor Lasers. Springer Series in Optical Sciences, 2017, , 459-510.	0.5	0
56	Nonlinear Dynamics, Measurements, and Control in Semiconductor Lasers. The Review of Laser Engineering, 2005, 33, 157-158.	0.0	0
57	Chaos and Applications in Laser Systems. The Review of Laser Engineering, 2015, 43, 342.	0.0	0
58	Chaotic Communications in Semiconductor Lasers. Springer Series in Optical Sciences, 2017, , 511-557.	0.5	0
59	Dynamics of Semiconductor Lasers with Optoelectronic Feedback and Modulation. Springer Series in Optical Sciences, 2017, , 227-261.	0.5	0