Junji Ohtsubo

List of Publications by Citations

57 papers	845 citations	16 h-index	28 g-index
61 ext. papers	985 ext. citations	1.4 avg, IF	3.99 L-index

#	Paper	IF	Citations
57	Experimental synchronization of chaotic oscillations in external-cavity semiconductor lasers. *Optics Letters*, **2000**, 25, 625-7	3	93
56	1.5-GHz message transmission based on synchronization of chaos in semiconductor lasers. *Optics Letters*, **2002**, 27, 989-91	3	71
55	Synchronization of feedback-induced chaos in semiconductor lasers by optical injection. *Physical Review A*, **2002**, 65,	2.6	70
54	Experimental synchronization of chaotic oscillations in externally injected semiconductor lasers in a low-frequency fluctuation regime. *Optics Letters*, **1999**, 24, 1570-2	3	60
53	Observation of the synchronization of chaos in mutually injected vertical-cavity surface-emitting semiconductor lasers. *Optics Letters*, **2003**, 28, 1677-9	3	55
52	Controlling dynamical behavior of a semiconductor laser with external optical feedback. *Physical Review E*, **1995**, 51, R2697-R2700	2.4	55
51	Feedback Induced Instability and Chaos in Semiconductor Lasers and Their Applications. *Optical Review*, **1999**, 6, 1-15	0.9	50
50	Low-frequency fluctuation induced by injection-current modulation in semiconductor lasers with optical feedback. *Optics Letters*, **1998**, 23, 1369-71	3	42
49	Experimental control of chaos in a laser-diode interferometer with delayed feedback. *Optics Letters* , **1994**, 19, 448-50	3	35
48	Synchronization of Chaotic Oscillations in Mutually Coupled Semiconductor Lasers. *Optical Review*, **2001**, 8, 351-357	0.9	29
47	Control of Spatio-Temporal Dynamics of Broad-Area Semiconductor Lasers by Strong Optical Injection. *IEEE Photonics Technology Letters*, **2009**, 21, 1051-1053	2.2	20
46	Chaotic dynamics in semiconductor lasers subjected to polarization-rotated optical feedback. *Applied Physics Letters*, **2008**, 93, 181105	3.4	18
45	Practical image encryption and decryption by phase-coding technique for optical security systems. *Applied Optics*, **2002**, 41, 4848-55	1.7	18
44	Dynamics of Semiconductor Lasers with Optical Feedback from Photorefractive Phase Conjugate Mirror. *Optical Review*, **1999**, 6, 359-364	0.9	18
43	Dynamics of Broad-Area Semiconductor Lasers With Short Optical Feedback. *IEEE Journal of Quantum Electronics*, **2010**, 46, 140-149	2	16
42	Experimental Investigation of Stability Enhancement in Semiconductor Lasers with Optical Feedback. *Optical Review*, **1998**, 5, 280-284	0.9	16
41	Observation of low-frequency fluctuations in vertical-cavity surface-emitting lasers. *Optics Letters*, **2003**, 28, 896-8	3	16

40	Chaos synchronization based on a continuous chaos control method in semiconductor lasers with optical feedback. *Physical Review E*, **2001**, 63, 066203	2.4	16
39	Chaotic dynamics in semiconductor lasers with optical feedback. *Progress in Optics*, **2002**, 1-84	3.4	15
38	Low-Frequency Fluctuation and Frequency-Locking in Semiconductor Lasers with Long External Cavity Feedback. *Optical Review*, **1999**, 6, 399-401	0.9	13
37	Dynamics and pulse-package oscillations in broad-area semiconductor lasers with short optical feedback. *Applied Physics Letters*, **2012**, 101, 231105	3.4	10
36	Spatial-mode analysis in broad-area semiconductor lasers subjected to optical feedback. *Optical Review*, **2013**, 20, 308-313	0.9	9
35	Observation of multi-path interference in broad-area semiconductor lasers with optical feedback. *Optical Review*, **2009**, 16, 533-539	0.9	9
34	Relaxation Oscillation Enhancement and Coherence Collapse in Semiconductor Lasers with Optical Feedback. *Optical Review*, **1999**, 6, 365-371	0.9	9
33	Regenerative spiking oscillation in a semiconductor laser with a nonlinear delayed feedback. *Physical Review A*, **1993**, 47, 4392-4399	2.6	9
32	Chaos dynamics in semiconductor lasers with polarization-rotated optical feedback. *Optical Review*, **2010**, 17, 144-151	0.9	8
31	Accessing high-mode oscillations in a delayed optical bistable system. *Optics Communications*, **1994**, 105, 193-198	2	8
30	Application of Random Texture in Cholesteric Liquid Crystal for Security Devices. *Molecular Crystals and Liquid Crystals*, **2010**, 516, 253-259	0.5	7
29	Hiding information using a checkered pattern. *Optical Review*, **2009**, 16, 517-520	0.9	6
28	Chaotic Optical Communication **2005**, 307-333		6
27	Controlling Chaos of a Delayed Optical Bistable System. *Optical Review*, **1994**, 1, 91-93	0.9	6
26	Synchronization properties and effects of parameter mismatches in unidirectionally coupled chaotic vertical-cavity surface-emitting lasers. *Optical Review*, **2013**, 20, 314-320	0.9	4
25	Numerical Study of Doppler Dynamics in Self-Mixing Semiconductor Lasers. *IEEE Photonics Technology Letters*, **2009**, 21, 742-744	2.2	4
24	Chaos synchronization in semiconductor lasers with polarization-rotated optical feedback. *Optical Review*, **2010**, 17, 467-475	0.9	4
23	Optical Digital Fast Fourier Transform System. *Optical Review*, **1999**, 6, 424-432	0.9	4

22	Fast Optimization of Binary Encrypted Hologram Based on Error Correction Method in Optical Security Systems. *Optical Review*, **2007**, 14, 290-296	0.9	2
21	Designing of Smectic Layer Alignment by Optical Patterning using Smectic Layer Rotation. *Molecular Crystals and Liquid Crystals*, **2004**, 409, 243-250	0.5	2
20	Modulation Induced Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback and Their Suppression by Synchronous Modulation. *Optical Review*, **2002**, 9, 234-237	0.9	2
19	Design of Two-Dimensional Optimized Banyan Networks. *Optical Review*, **2002**, 9, 255-259	0.9	2
18	Hiding a checkered-pattern carrier-screen image in a camouflaged halftone image. *Optical Review*, **2014**, 21, 237-242	0.9	1
17	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]	0.5	1
16	Chaos Control and Applications. *Springer Series in Optical Sciences*, **2017**, 363-384	0.5	1
15	Dynamics of Semiconductor Lasers with Optical Feedback. *Springer Series in Optical Sciences*, **2017**, 113-182	0.5	1
14	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	0.9	0
13	MEASUREMENT METHOD OF BEAM PROFILE ON ROTATING OPTICAL DISK. *Journal of the Magnetics Society of Japan*, **1996**, 20, S1_381-384		0
12	Chaos Synchronization in Semiconductor Lasers. *Springer Series in Optical Sciences*, **2017**, 459-510	0.5	
11	Dynamics of Semiconductor Lasers with Optoelectronic Feedback and Modulation. *Springer Series in Optical Sciences*, **2013**, 205-238	0.5	
10	Dynamics of Semiconductor Lasers with Optical Feedback. *Springer Series in Optical Sciences*, **2013**, 103-168	0.5	
9	Chaos Control and Applications. *Springer Series in Optical Sciences*, **2013**, 329-351	0.5	
8	Chaotic Communications in Semiconductor Lasers. *Springer Series in Optical Sciences*, **2013**, 463-507	0.5	
7	Chaos Synchronization in Semiconductor Lasers. *Springer Series in Optical Sciences*, **2013**, 415-461	0.5	
6	Chaos Dynamics and Control in Broad-Area Semiconductor Lasers. *The Review of Laser Engineering*, **2011**, 39, 481-487	0	
5	Chaos and Control in Semiconductor Lasers475-499		

List of Publications

4	Nonlinear Dynamics, Measurements, and Control in Semiconductor Lasers. *The Review of Laser Engineering*, **2005**, 33, 157-158	0
3	Chaos and Applications in Laser Systems. *The Review of Laser Engineering*, **2015**, 43, 342	0
2	Chaotic Communications in Semiconductor Lasers. *Springer Series in Optical Sciences*, **2017**, 511-557	0.5
1	Dynamics of Semiconductor Lasers with Optoelectronic Feedback and Modulation. *Springer Series in Optical Sciences*, **2017**, 227-261	0.5