

Daniel J Gauthier

List of Publications by Year in descending order

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251
papers

11,361
citations

30070

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31849

101
g-index

255
all docs

255
docs citations

255
times ranked

6051
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of a Chaotic Logic Gate. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3339-3343.	3.0	0
2	Reservoir Computing Using Autonomous Boolean Networks Realized on Field-Programmable Gate Arrays. Natural Computing Series, 2021, , 239-271.	2.2	2
3	Hybrid Boolean Networks as Physically Unclonable Functions. IEEE Access, 2021, 9, 44855-44867.	4.2	8
4	High-speed harvesting of random numbers. Science, 2021, 371, 889-890.	12.6	4
5	Predicting hidden structure in dynamical systems. Nature Machine Intelligence, 2021, 3, 281-282.	16.0	2
6	Qubit-Based Clock Synchronization for QKD Systems Using a Bayesian Approach. Entropy, 2021, 23, 988.	2.2	8
7	Model-free control of dynamical systems with deep reservoir computing. Journal of Physics Complexity, 2021, 2, 035025.	2.2	18
8	Next generation reservoir computing. Nature Communications, 2021, 12, 5564.	12.8	178
9	Symmetry-aware reservoir computing. Physical Review E, 2021, 104, 045307.	2.1	8
10	Model-free inference of unseen attractors: Reconstructing phase space features from a single noisy trajectory using reservoir computing. Chaos, 2021, 31, 103127.	2.5	16
11	High-Resolution Waveform Capture Device on a Cyclone-V FPGA. IEEE Access, 2021, 9, 146203-146213.	4.2	3
12	Submillisecond, nondestructive, time-resolved quantum-state readout of a single, trapped neutral atom. Physical Review A, 2020, 102, .	2.5	8
13	Multimode Time-Delay Interferometer for Free-Space Quantum Communication. Physical Review Applied, 2020, 13, .	3.8	11
14	Universal Model for the Turn-On Dynamics of Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2019, 12, .	3.8	17
15	Scalable high-rate, high-dimensional time-bin encoding quantum key distribution. Quantum Science and Technology, 2019, 4, 035008.	5.8	18
16	Forecasting chaotic systems with very low connectivity reservoir computers. Chaos, 2019, 29, 123108.	2.5	97
17	Universal turn-on dynamics of superconducting nanowire single-photon detectors. , 2019, , .		0
18	Optical precursors in a weakly dispersive double narrow-resonance dielectric. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3282.	2.1	2

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19	Securing quantum key distribution systems using fewer states. <i>Physical Review A</i> , 2018, 97, .	2.5	21
20	Reconfigurable generation and measurement of mutually unbiased bases for time-bin qudits. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
21	Rapid time series prediction with a hardware-based reservoir computer. <i>Chaos</i> , 2018, 28, 123119.	2.5	57
22	Scalable cryogenic readout circuit for a superconducting nanowire single-photon detector system. <i>Review of Scientific Instruments</i> , 2018, 89, 063117.	1.3	22
23	Bounding the outcome of a two-photon interference measurement using weak coherent states. <i>Optics Letters</i> , 2018, 43, 3806.	3.3	15
24	Mutually unbiased bases for time-bin qudits. , 2018, , .		0
25	Transient dynamics and their control in time-delay autonomous Boolean ring networks. <i>Physical Review E</i> , 2017, 95, 022211.	2.1	13
26	Comment on "Nondestructive light-shift measurements of single atoms in optical dipole traps". <i>Physical Review A</i> , 2017, 96, .	2.5	1
27	Robust and Stable Delay Interferometers with Application to d -Dimensional Time-Frequency Quantum Key Distribution. <i>Physical Review Applied</i> , 2017, 7, .	3.8	33
28	Advanced active quenching circuit for ultra-fast quantum cryptography. <i>Optics Express</i> , 2017, 25, 21861.	3.4	11
29	Multi-photon detection using a conventional superconducting nanowire single-photon detector. <i>Optica</i> , 2017, 4, 1534.	9.3	81
30	Provably secure and high-rate quantum key distribution with time-bin qudits. <i>Science Advances</i> , 2017, 3, e1701491.	10.3	209
31	Spontaneous emergence of free-space optical and atomic patterns. <i>New Journal of Physics</i> , 2016, 18, 103021.	2.9	18
32	Super-transient scaling in time-delay autonomous Boolean network motifs. <i>Chaos</i> , 2016, 26, 094810.	2.5	13
33	Advanced active quenching circuits for single-photon avalanche photodiodes. , 2016, , .		0
34	Transverse optical and atomic pattern formation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1543.	2.1	10
35	Enhancing the secure key rate in a quantum-key-distribution system using discrete-variable, high-dimensional, time-frequency states. , 2016, , .		1
36	The information of high-dimensional time-bin encoded photons. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	12

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37	Discrete-variable time-frequency quantum key distribution. , 2016, , .		2
38	Cryogenic Amplifiers for a Superconducting Nanowire Single Photon Detector System. , 2016, , .		3
39	Forced synchronization of autonomous dynamical Boolean networks. Chaos, 2015, 25, 083113.	2.5	6
40	Correction to "Enhancing Heralding Efficiency and Biphoton Rate in Type-I Spontaneous Parametric Down-Conversion" [May 15 6400610]. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-1.	2.9	0
41	Multirhythmicity in an optoelectronic oscillator with large delay. Physical Review E, 2015, 91, 012910.	2.1	19
42	High-dimensional quantum cryptography with twisted light. New Journal of Physics, 2015, 17, 033033.	2.9	475
43	Reservoir computing with a single time-delay autonomous Boolean node. Physical Review E, 2015, 91, 020801.	2.1	93
44	Enhancing Heralding Efficiency and Biphoton Rate in Type-I Spontaneous Parametric Down-Conversion. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 215-224.	2.9	5
45	Scaling of the nonlinear response of the surface plasmon polariton at a metal/dielectric interface. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 9.	2.1	34
46	Scaling of the Nonlinear Response of Metal/Dielectric Plasmonic Waveguides. , 2015, , .		0
47	Observation of elliptical rings in type-I spontaneous parametric downconversion. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2096.	2.1	1
48	Experimental study of the complex dynamics of semiconductor lasers with feedback via symbolic time-series analysis. Proceedings of SPIE, 2014, , .	0.8	1
49	Experimental and numerical study of the symbolic dynamics of a modulated external-cavity semiconductor laser. Optics Express, 2014, 22, 4705.	3.4	18
50	Giant all-optical tunable group velocity dispersion in an optical fiber. Optics Express, 2014, 22, 14382.	3.4	8
51	An angle-dependent estimation of CT x-ray spectrum from rotational transmission measurements. Medical Physics, 2014, 41, 062104.	3.0	17
52	Transient scaling and resurgence of chimera states in networks of Boolean phase oscillators. Physical Review E, 2014, 90, 030902.	2.1	114
53	Synchronization of coupled Boolean phase oscillators. Physical Review E, 2014, 89, 042907.	2.1	34
54	Enhancing light-atom interactions via atomic bunching. Physical Review A, 2014, 90, .	2.5	10

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55	Experiments on autonomous Boolean networks. <i>Chaos</i> , 2013, 23, 025102.	2.5	24
56	Predictability and Suppression of Extreme Events in a Chaotic System. <i>Physical Review Letters</i> , 2013, 111, 198701.	7.8	101
57	Waveguide-QED-Based Photonic Quantum Computation. <i>Physical Review Letters</i> , 2013, 111, 090502.	7.8	128
58	Precise Monte Carlo simulation of single-photon detectors. , 2013, , .		2
59	Destructive impact of imperfect beam collimation in extraordinary optical transmission. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 1281.	1.5	0
60	Phase locking of multiple optical fiber channels for a slow-light-enabled laser radar system. <i>Optics Express</i> , 2013, 21, 13094.	3.4	3
61	Decoy-state quantum key distribution with nonclassical light generated in a one-dimensional waveguide. <i>Optics Letters</i> , 2013, 38, 622.	3.3	4
62	Multidimensional subwavelength position sensing using a semiconductor laser with optical feedback. <i>Optics Letters</i> , 2013, 38, 4331.	3.3	11
63	Security of high-dimensional quantum key distribution protocols using Franson interferometers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 104010.	1.5	50
64	Aberration-corrected quantum temporal imaging system. <i>Physical Review A</i> , 2013, 87, .	2.5	18
65	Publisher's Note: Ultrafast physical generation of random numbers using hybrid Boolean networks [<i>Phys. Rev. E</i> 87 (2013), 040902(R)]. <i>Physical Review E</i> , 2013, 87, .	2.1	4
66	Control of Synchronization Patterns in Neural-like Boolean Networks. <i>Physical Review Letters</i> , 2013, 110, 104102.	7.8	78
67	Ultra-low-threshold optical pattern formation in a cold atomic vapor. , 2013, , .		0
68	Ultrafast physical generation of random numbers using hybrid Boolean networks. <i>Physical Review E</i> , 2013, 87, 040902.	2.1	32
69	Low-noise frequency downconversion for long-distance distribution of entangled atomic qubits. , 2013, , .		0
70	Quantum Key Distribution Using Hyperentangled Time-Bin States. , 2013, , .		3
71	Transverse optical patterns for low-light-level optical switching. , 2013, , .		0
72	Quantum Key Distribution Using Hyperentangled Time-Bin States. , 2013, , .		4

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73	High-order optical nonlinearity at low light levels. Europhysics Letters, 2012, 98, 24001.	2.0	30
74	Enhancing four-wave-mixing processes by nanowire arrays coupled to a gold film. Optics Express, 2012, 20, 11005.	3.4	27
75	Excitability in autonomous Boolean networks. Europhysics Letters, 2012, 100, 30003.	2.0	8
76	A pseudo-matched filter for chaos. Chaos, 2012, 22, 033148.	2.5	10
77	Ultra-high-frequency piecewise-linear chaos using delayed feedback loops. Chaos, 2012, 22, 043112.	2.5	2
78	High-Speed Quantum Key Distribution Using Hyper-Entangled Photons. , 2012, , .		0
79	Comment on "Generalized grating equation for virtually imaged phased-array spectral dispersers". Applied Optics, 2012, 51, 8184.	1.8	10
80	Steady-state, cavityless, multimode superradiance in a cold vapor. Physical Review A, 2012, 86, .	2.5	28
81	Low-cost chaotic radar design. Proceedings of SPIE, 2012, , .	0.8	3
82	Strongly correlated photons generated by coupling a three- or four-level system to a waveguide. Physical Review A, 2012, 85, .	2.5	84
83	Secure information capacity of photons entangled in many dimensions. Physical Review A, 2012, 85, .	2.5	58
84	Quantum Key Distribution Using Hyperentanglement. , 2012, , .		1
85	Interference of FSBS and Kerr effect in a standard highly nonlinear fiber. , 2011, , .		0
86	Pulse-train solutions and excitability in an optoelectronic oscillator. Europhysics Letters, 2011, 96, 34001.	2.0	37
87	Optical precursors in the singular and weak dispersion limits: reply to comment. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 468.	2.1	0
88	Controllable ultrabroadband slow light in a warm rubidium vapor. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2578.	2.1	3
89	Information-theoretic analysis of a stimulated-Brillouin-scattering-based slow-light system. Applied Optics, 2011, 50, 6063.	2.1	8
90	High-fidelity, broadband stimulated-Brillouin-scattering-based slow light using fast noise modulation. Optics Express, 2011, 19, 687.	3.4	17

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91	FSBS resonances observed in a standard highly nonlinear fiber. <i>Optics Express</i> , 2011, 19, 5339.	3.4	70
92	Bunching-induced optical nonlinearity and instability in cold atoms [Invited]. <i>Optics Express</i> , 2011, 19, 22535.	3.4	46
93	Focus issue introduction: nonlinear optics. <i>Optical Materials Express</i> , 2011, 1, 1393.	3.0	0
94	Fiber-length dependence of slow light with a swept-frequency source. , 2011, , .		0
95	Cavity-Free Photon Blockade Induced by Many-Body Bound States. <i>Physical Review Letters</i> , 2011, 107, 223601.	7.8	107
96	Subwavelength Position Sensing Using Nonlinear Feedback and Wave Chaos. <i>Physical Review Letters</i> , 2011, 107, 254103.	7.8	19
97	Carrier-frequency dependence of a step-modulated pulse propagating through a weakly dispersive single narrow-resonance absorber. <i>Journal of Modern Optics</i> , 2011, 58, 865-872.	1.3	8
98	Refractive Changes after Descemet Stripping Endothelial Keratoplasty: A Simplified Mathematical Model. , 2011, 52, 1043.		22
99	Quantum key distribution in a high-dimensional state space: exploiting the transverse degree of freedom of the photon. <i>Proceedings of SPIE</i> , 2011, , .	0.8	25
100	Transverse optical patterns for ultra-low-light-level all-optical switching. <i>Laser and Photonics Reviews</i> , 2010, 4, 221-243.	8.7	27
101	Competition between the modulation instability and stimulated Brillouin scattering in a broadband slow light device. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 104019.	2.2	9
102	Broadband Chaos Generated by an Optoelectronic Oscillator. <i>Physical Review Letters</i> , 2010, 104, 113901.	7.8	150
103	Slow light with a swept-frequency source. <i>Optics Express</i> , 2010, 18, 27263.	3.4	6
104	Optical precursors in the singular and weak dispersion limits. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 1664.	2.1	14
105	Waveguide QED: Many-body bound-state effects in coherent and Fock-state scattering from a two-level system. <i>Physical Review A</i> , 2010, 82, .	2.5	186
106	On the origin of chaos in autonomous Boolean networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 495-513.	3.4	34
107	Self-phase matched four-wave mixing in cold vapor. , 2010, , .		0
108	Toward single-photon nonlinear optics via self-assembled ultracold atoms. , 2010, , .		0

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109	Broadband slow light with a swept-frequency source. , 2010, , .		0
110	Spatial heterogeneity of restitution properties and the onset of alternans. , 2009, 2009, 4186-9.		0
111	Transient dynamics and momentum redistribution in cold atoms via recoil-induced resonances. Physical Review A, 2009, 79, .	2.5	5
112	Accurate description of optical precursors and their relation to weak-field coherent optical transients. Physical Review A, 2009, 79, .	2.5	27
113	Controlling the Velocity of Light Pulses. Science, 2009, 326, 1074-1077.	12.6	283
114	Causality in Superluminal Pulse Propagation. Lecture Notes in Physics, 2009, , 175-204.	0.7	7
115	Boolean chaos. Physical Review E, 2009, 80, 045202.	2.1	72
116	Superradiance in an Ultracold Thermal Vapor. , 2009, , .		0
117	Superluminal Communication in Quantum Mechanics. , 2009, , 766-769.		1
118	High-Resolution High-Speed Panoramic Cardiac Imaging System. IEEE Transactions on Biomedical Engineering, 2008, 55, 1241-1243.	4.2	11
119	Room-temperature spectral hole burning in an engineered inhomogeneously broadened resonance. Optics Letters, 2008, 33, 2374.	3.3	5
120	Light Storage via Stimulated Brillouin Scattering in an Optical Fiber. Optics and Photonics News, 2008, 19, 40.	0.5	3
121	Fiber-Based Slow-Light Technologies. Journal of Lightwave Technology, 2008, 26, 3752-3762.	4.6	54
122	Optimal pump profile designs for broadband SBS slow-light systems. Optics Express, 2008, 16, 2764.	3.4	76
123	Observation of large 10-Gb/s SBS slow light delay with low distortion using an optimized gain profile. Optics Express, 2008, 16, 16032.	3.4	28
124	Slow light and stored light using SBS in an optical fiber. , 2008, , .		0
125	All-optical switching with transverse optical patterns. Physical Review A, 2008, 77, .	2.5	15
126	Cardiac Alternans Arising From an Unfolded Border-Collision Bifurcation. Journal of Computational and Nonlinear Dynamics, 2008, 3, 041004.	1.2	9

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127	Slow light and stored light using SBS in an optical fiber. , 2008, , .		0
128	Observation of large 8-Gb/s SBS slow light delay with low distortion using an optimized gain profile. , 2008, , .		0
129	Controlling Optical Chaos, Spatio-Temporal Dynamics, and Patterns. Advances in Atomic, Molecular and Optical Physics, 2007, , 615-697.	2.3	22
130	A Model-Independent Technique for Eigenvalue Identification and Its Application in Predicting Cardiac Alternans. , 2007, , 301.		0
131	Enhancing the Spectral Sensitivity and Resolution of Interferometers Using Slow-Light Media. , 2007, , .		2
132	Period-Doubling Bifurcation to Alternans in Paced Cardiac Tissue: Crossover from Smooth to Border-Collision Characteristics. Physical Review Letters, 2007, 99, 058101.	7.8	29
133	Control of electrical alternans in simulations of paced myocardium using extended time-delay autosynchronization. Physical Review E, 2007, 76, 041917.	2.1	13
134	Pulse broadening or compression in fast-light pulse propagation through an erbium-doped fiber amplifier. , 2007, , .		0
135	Slow light in room-temperature optical waveguides. , 2007, , .		0
136	Reducing pulse distortion in fast-light pulse propagation through an erbium-doped fiber amplifier. Optics Letters, 2007, 32, 906.	3.3	31
137	Enhancing the spectral sensitivity of interferometers using slow-light media. Optics Letters, 2007, 32, 915.	3.3	145
138	Design of a tunable time-delay element using multiple gain lines for increased fractional delay with high data fidelity. Optics Letters, 2007, 32, 1986.	3.3	56
139	Slow light on Gbit/s differential-phase-shift-keying signals. Optics Express, 2007, 15, 1878.	3.4	46
140	Absorption-induced trapping in an anisotropic magneto-optical trap. Optics Express, 2007, 15, 17699.	3.4	12
141	Maximizing the opening of eye diagrams for slow-light systems. Applied Optics, 2007, 46, 6513.	2.1	26
142	Broadband SBS Slow Light in an Optical Fiber. Journal of Lightwave Technology, 2007, 25, 201-206.	4.6	183
143	Stored Light in an Optical Fiber via Stimulated Brillouin Scattering. Science, 2007, 318, 1748-1750.	12.6	327
144	A Fiber-Based Ratiometric Optical Cardiac Mapping Channel Using a Diffraction Grating and Split Detector. Biophysical Journal, 2007, 93, 254-263.	0.5	6

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145	Solitons go slow. Nature Photonics, 2007, 1, 92-93.	31.4	8
146	Small-signal amplification of period-doubling bifurcations in smooth iterated maps. Nonlinear Dynamics, 2007, 48, 381-389.	5.2	9
147	An Ionically Based Mapping Model with Memory for Cardiac Restitution. Bulletin of Mathematical Biology, 2007, 69, 459-482.	1.9	21
148	Using Transverse Patterns for All-Optical Switching. , 2007, , .		1
149	Progress on Stopped Light and Large-Delay Slow Light in Optical Fibers. , 2007, , .		0
150	Applications of Slow Light in Telecommunications. Optics and Photonics News, 2006, 17, 18.	0.5	200
151	Nearly transparent SBS slow light in an optical fiber. Optics Express, 2006, 14, 7238.	3.4	37
152	Transparency on an optical chip. Nature, 2006, 441, 701-702.	27.8	76
153	Direct Observation of Optical Precursors in a Region of Anomalous Dispersion. Physical Review Letters, 2006, 96, 143901.	7.8	103
154	XPM-induced pulse delay and advancement in optical fiber. , 2006, , .		0
155	Ultra-high-frequency chaos in a time-delay electronic device with band-limited feedback. Chaos, 2006, 16, 033119.	2.5	22
156	Competition between electromagnetically induced transparency and Raman processes. Physical Review A, 2006, 74, .	2.5	30
157	Improving the bandwidth of SBS-based slow-light delay. , 2006, , .		3
158	Recent Advances in Stimulated Brillouin Scattering Slow Light. , 2006, , .		0
159	Distortion-Reduced Pulse-Train Propagation with Large Delay in a Triple Gain Media. , 2006, , .		1
160	Observation of ultra-low-light-level all-optical switching. , 2005, , .		0
161	Slow light brings faster communications. Physics World, 2005, 18, 30-32.	0.0	40
162	All-Optical Switching in Rubidium Vapor. Science, 2005, 308, 672-674.	12.6	263

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163	Hopf bifurcations in time-delay systems with band-limited feedback. <i>Physica D: Nonlinear Phenomena</i> , 2005, 210, 180-202.	2.8	28
164	Multiphoton lasing in atomic potassium: Steady-state and dynamic behavior. <i>Physical Review A</i> , 2005, 72, .	2.5	7
165	Restitution in mapping models with an arbitrary amount of memory. <i>Chaos</i> , 2005, 15, 023701.	2.5	21
166	Tunable All-Optical Delays via Brillouin Slow Light in an Optical Fiber. <i>Physical Review Letters</i> , 2005, 94, 153902.	7.8	772
167	Numerical study of all-optical slow-light delays via stimulated Brillouin scattering in an optical fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2378.	2.1	133
168	Distortion management in slow-light pulse delay. <i>Optics Express</i> , 2005, 13, 9995.	3.4	161
169	Slow Light. <i>Optics and Photonics News</i> , 2005, 16, 42.	0.5	9
170	Maximum time delay achievable on propagation through a slow-light medium. <i>Physical Review A</i> , 2005, 71, .	2.5	170
171	Fast Causal Information Transmission in a Medium With a Slow Group Velocity. <i>Physical Review Letters</i> , 2005, 94, 053902.	7.8	55
172	Optically tunable "slow" light in waveguides. , 2005, , .		0
173	Condition for alternans and its control in a two-dimensional mapping model of paced cardiac dynamics. <i>Physical Review E</i> , 2004, 69, 031904.	2.1	45
174	Rate-dependent propagation of cardiac action potentials in a one-dimensional fiber. <i>Physical Review E</i> , 2004, 70, 061906.	2.1	14
175	Superluminal speed of information? (reply). <i>Nature</i> , 2004, 429, 40-40.	27.8	3
176	The Restitution Portrait: A New Method for Investigating Rate-Dependent Restitution. <i>Journal of Cardiovascular Electrophysiology</i> , 2004, 15, 698-709.	1.7	101
177	Control of cardiac alternans in a mapping model with memory. <i>Physica D: Nonlinear Phenomena</i> , 2004, 194, 385-391.	2.8	10
178	Control of cardiac alternans in a mapping model with memory. <i>Physica D: Nonlinear Phenomena</i> , 2004, 194, 385-385.	2.8	1
179	Controlling Fast Chaos in Delay Dynamical Systems. <i>Physical Review Letters</i> , 2004, 92, 193901.	7.8	41
180	High-Speed Chaos in an Optical Feedback System With Flexible Timescales. <i>IEEE Journal of Quantum Electronics</i> , 2004, 40, 299-305.	1.9	30

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181	Superluminal light pulses, subluminal information transmission. , 2004, , .		0
182	The speed of information in a "fast-light"™ optical medium. Nature, 2003, 425, 695-698.	27.8	318
183	Resource Letter: CC-1: Controlling chaos. American Journal of Physics, 2003, 71, 750-759.	0.7	44
184	Condition for alternans and stability of the 1:1 response pattern in a "memory" model of paced cardiac dynamics. Physical Review E, 2003, 67, 031904.	2.1	95
185	Multiphoton amplification processes and quantum-path interferences in a coherently driven atomic vapor. Physical Review A, 2003, 68, .	2.5	3
186	Pump-beam-instability limits to Raman-gain-doublet "fast-light" pulse propagation. Physical Review A, 2003, 67, .	2.5	17
187	Polarization dynamics of two-photon and cascade lasers in the presence of an arbitrarily directed magnetic field. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 243-253.	1.4	1
188	Two-photon lasers. Progress in Optics, 2003, 45, 205-272.	0.6	9
189	Dynamics of a two-photon laser. , 2003, , 547-548.		0
190	Polarization dynamics of a two-photon laser. , 2003, , 131-136.		0
191	Progress toward controlling in vivo fibrillating sheep atria using a nonlinear-dynamics-based closed-loop feedback method. Chaos, 2002, 12, 952-961.	2.5	25
192	Two-photon amplification and lasing in laser-driven potassium atoms: Theoretical analysis. Physical Review A, 2002, 65, .	2.5	7
193	Nonlinear Optics: Honeycomb Pattern Formation by Laser-Beam Filamentation in Atomic Sodium Vapor. Optics and Photonics News, 2002, 13, 29.	0.5	3
194	"Slow" and "fast" light. Progress in Optics, 2002, 43, 497-530.	0.6	274
195	Analysis of the Fenton-Karma model through an approximation by a one-dimensional map. Chaos, 2002, 12, 1034-1042.	2.5	38
196	Experimental Control of Cardiac Muscle Alternans. Physical Review Letters, 2002, 88, 198102.	7.8	95
197	Honeycomb Pattern Formation by Laser-Beam Filamentation in Atomic Sodium Vapor. Physical Review Letters, 2002, 88, 113901.	7.8	51
198	Observation of Polarization Instabilities and Chaos in a Two-Photon Laser. Optics and Photonics News, 2001, 12, 58.	0.5	0

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199	Polarization Instabilities in a Two-Photon Laser. <i>Physical Review Letters</i> , 2001, 86, 4512-4515.	7.8	29
200	Existence of Bistability and Correlation with Arrhythmogenesis in Paced Sheep Atria. <i>Journal of Cardiovascular Electrophysiology</i> , 2000, 11, 797-805.	1.7	6
201	ATTRACTOR BUBBLING IN COUPLED HYPERCHAOTIC OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 835-847.	1.7	7
202	Entraining power-dropout events in an external-cavity semiconductor laser using weak modulation of the injection current. <i>IEEE Journal of Quantum Electronics</i> , 2000, 36, 175-183.	1.9	55
203	Experimental investigation of high-quality synchronization of coupled oscillators. <i>Chaos</i> , 2000, 10, 738-744.	2.5	14
204	Prevalence of Rate-Dependent Behaviors in Cardiac Muscle. <i>Physical Review Letters</i> , 1999, 82, 2995-2998.	7.8	119
205	Two-photon stimulated emission in laser-driven alkali-metal atoms using an orthogonal pump-probe geometry. <i>Physical Review A</i> , 1999, 60, R4249-R4252.	2.5	15
206	Controlling lasers by use of extended time-delay autosynchronization. <i>Optics Letters</i> , 1998, 23, 703.	3.3	15
207	PHYSICS: Enhanced: Chaos Has Come Again. <i>Science</i> , 1998, 279, 1156-1157.	12.6	9
208	Analysis and comparison of multiple-delay schemes for controlling unstable fixed points of discrete maps. <i>Physical Review E</i> , 1998, 57, 6589-6595.	2.1	42
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