Govind P Agrawal

List of Publications by Year in Descending Order

657 papers	20,180 citations	67 h-index	119 g-index
774 ext. papers	23,663 ext. citations	2.8 avg, IF	7.22 L-index

#	Paper	IF	Citations
657	Vector modulation instability in birefringent graded-index multimode fibers. *Journal of the Optical Society of America B: Optical Physics*, **2021**, 38, 201	1.7	0
656	Coupled-mode theory of the polarization dynamics inside a microring resonator with a uniaxial core. *Physical Review A*, **2021**, 103,	2.6	2
655	Space-Division Multiplexing **2021**, 413-450		
654	Lightwave Systems **2021**, 151-183		
653	Optical Fibers **2021**, 21-65		
652	Propagation of Gaussian Schell-model beams in modulated graded-index media. *Optics Express*, **2021**, 29, 21240-21251	3.3	0
651	Multichannel Systems **2021**, 185-234		
650	Coherent Lightwave Systems **2021**, 359-411		
649	Optical Transmitters **2021**, 67-105		
648	Dispersion Management **2021**, 277-316		
647	Loss Management **2021**, 235-275		
646	Control of Nonlinear Effects **2021**, 317-357		
645	Time-domain Fabry–Perot resonators formed inside a dispersive medium. *Journal of the Optical Society of America B: Optical Physics*, **2021**, 38, 2376	1.7	3
644	Pulse compression **2021**, 255-308		
643	Directional couplers **2021**, 57-107		
642	Optical signal processing **2021**, 369-417		
641	Fiber gratings **2021**, 1-55		

640	Fiber-optic communications **2021**, 309-368		
639	Power optimization for phase quantization with SOAs using the gain extinction ratio. *Optics Express* , **2021**, 29, 1545-1557	3.3	0
638	Quantum applications **2021**, 481-532		
637	Fiber lasers **2021**, 193-254		
636	Temporal reflection and refraction of optical pulses inside a dispersive medium: an analytic approach. *Journal of the Optical Society of America B: Optical Physics*, **2021**, 38, 997	1.7	6
635	Role of frequency dependence of the nonlinearity on a soliton's evolution in photonic crystal fibers. *Optics Letters*, **2021**, 46, 3921-3924	3	0
634	Impact of the boundary's sharpness on temporal reflection in dispersive media. *Optics Letters*, **2021** , 46, 4053-4056	3	2
633	Role of the modal composition of pump in the multi-peak Brillouin gain spectrum in a few-mode fiber. *Optics Communications*, **2021**, 494, 127052	2	0
632	Highly nonlinear fibers **2021**, 419-479		1
631	Fiber amplifiers **2021**, 143-192		
630	Fiber interferometers **2021**, 109-141		
629	Design of an X-cut thin-film lithium niobate waveguide as a passive polarization rotator. *Optics Express*, **2021**, 29, 44174	3.3	1
628	Effect of an input beam's shape and curvature on the nonlinear effects in graded-index fibers. *Journal of the Optical Society of America B: Optical Physics*, **2020**, 37, 858	1.7	1
627	A Fourier processor for partially coherent fields. *OSA Continuum*, **2020**, 3, 2843	1.4	2
626	A time-to-frequency converter for measuring the shape of short optical pulses. *Review of Scientific Instruments*, **2019**, 90, 083106	1.7	
625	Invite paper: Self-imaging in multimode graded-index fibers and its impact on the nonlinear phenomena. *Optical Fiber Technology*, **2019**, 50, 309-316	2.4	20
624	Multimode fibers **2019**, 621-683		3
623	Supercontinuum generation **2019**, 557-620		

622	Pulse propagation in fibers **2019**, 27-55		2
621	Group-velocity dispersion **2019**, 57-84		
620	Self-phase modulation **2019**, 85-125		2
619	Optical solitons **2019**, 127-187		
618	Polarization effects **2019**, 189-244		1
617	Cross-phase modulation **2019**, 245-295		1
616	Stimulated Raman scattering **2019**, 297-354		
615	Four-wave mixing **2019**, 401-462		4
614	Highly nonlinear fibers **2019**, 463-502		4
613	Novel nonlinear phenomena **2019**, 503-556		1
612	Supercontinuum generation in seven-core fibers. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, 2927	1.7	6
611	Spatio-temporal enhancement of Raman-induced frequency shifts in graded-index multimode fibers. *Optics Letters*, **2019**, 44, 2637	3	9
610	Fraunhofer diffraction and the state of polarization of partially coherent electromagnetic beams. *Optics Letters*, **2019**, 44, 3330-3333	3	4
609	Soliton supermode transitions and total red shift suppression in multi-core fibers. *Optics Letters*, **2019**, 44, 4159-4162	3	4
608	Distributed feedback lasing based on a negative-index metamaterial waveguide. *Optics Letters*, **2019**, 44, 4586-4589	3	3
607	Celebrating the tenth anniversary of Advances in Optics and Photonics: editorial. *Advances in Optics and Photonics*, **2019**, 11, ED1	16.7	1
606	A message from the outgoing Editor-in-Chief: editorial. *Advances in Optics and Photonics*, **2019**, 11, ED2416.7		
605	Fate of a Soliton in a High Order Spatial Mode of a Multimode Fiber. *Physical Review Letters*, **2019**, 122, 023901	7.4	13

604	Averaged nonlinear equations for multimode fibers valid in all regimes of random linear coupling. *Optical Fiber Technology*, **2019**, 48, 123-127	2.4	9
603	Graded-index solitons in multimode fibers. *Optics Letters*, **2018**, 43, 3345-3348	3	40
602	Degree of polarization in the focal region of a lens. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2018**, 35, 1518-1522	1.8	6
601	Controlling the degree of polarization of partially coherent electromagnetic beams with lenses. *Optics Letters*, **2018**, 43, 2344-2347	3	13
600	Intermodal Raman Scattering of Ultrashort Pulses in Multimode Fibers **2018**,		1
599	Soliton dynamics in photonic-crystal fibers with frequency-dependent Kerr nonlinearity. *Physical Review A*, **2018**, 98,	2.6	17
598	Femtosecond pulse trains through dual pumping of optical fibers: role of third-order dispersion. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 1733	1.7	5
597	Nonlinear interaction of vector solitons inside birefringent optical fibers. *Physical Review A*, **2018**, 98,	2.6	6
596	Vector solitons and dispersive waves in birefringent optical fibers. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 2302	1.7	9
595	Cross-phase-modulation-induced temporal reflection and waveguiding of optical pulses. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 436	1.7	9
594	Complete characterization of the spasing (L-L) curve of a three-level quantum coherence enhanced spaser for design optimization. *Applied Physics Letters*, **2018**, 112, 201108	3.4	16
593	Dynamics and detection of the Newton-Wigner time delays at interfaces using a swivelling method. *Scientific Reports*, **2017**, 7, 9083	4.9	3
592	Perturbed dissipative solitons: A variational approach. *Physical Review A*, **2017**, 96,	2.6	9
591	Effect of Raman scattering on soliton interactions in optical fibers. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 1247	1.7	11
590	Estimation of the blackbody-radiation shift due to the Stark effect for the microwave Cd+113 ion clock. *Physical Review A*, **2017**, 96,	2.6	5
589	Cavity QED analysis of an exciton-plasmon hybrid molecule via the generalized nonlocal optical response method. *Physical Review B*, **2017**, 95,	3.3	25
588	Temporal reflection as a spectral-broadening mechanism in dual-pumped dispersion-decreasing fibers and its connection to dispersive waves. *Physical Review A*, **2017**, 95,	2.6	6
587	Fourier processing with partially coherent fields. *Optics Letters*, **2017**, 42, 4600-4602	3	17

586	Determination of modes of elliptical waveguides with ellipse transformation perturbation theory. *Optica*, **2017**, 4, 1510	8.6	7
585	Single-pulse interference caused by temporal reflection at moving refractive-index boundaries. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 2274	1.7	3
584	Spectral Splitting of Optical Pulses Inside a Dispersive Medium at a Temporal Boundary. *IEEE Journal of Quantum Electronics*, **2016**, 52, 1-8	2	11
583	Implications of a zero-nonlinearity wavelength in photonic crystal fibers doped with silver nanoparticles. *Physical Review A*, **2016**, 94,	2.6	15
582	Theoretical analysis of hot electron injection from metallic nanotubes into a semiconductor interface. *Physical Chemistry Chemical Physics*, **2016**, 18, 18227-36	3.6	13
581	Stomach specific polymeric low density microballoons as a vector for extended delivery of rabeprazole and amoxicillin for treatment of peptic ulcer. *Colloids and Surfaces B: Biointerfaces*, **2016**, 141, 268-277	6	18
580	. *IEEE Photonics Technology Letters*, **2016**, 28, 1703-1706	2.2	7
579	Specialty Fibers for Terahertz Generation and Transmission: A Review. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 365-379	3.8	36
578	Intermodal soliton interaction in nearly degenerate modes of a multimode fiber. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 2217	1.7	11
577	Dynamics of soliton cascades in fiber amplifiers. *Optics Letters*, **2016**, 41, 5198-5201	3	9
576	Ultrashort Pulse Propagation in Nonlinear Dispersive Fibers **2016**, 101-133		1
575	Optical Communication: Its History and Recent Progress **2016**, 177-199		9
574	Design of all-optical, hot-electron current-direction-switching device based on geometrical asymmetry. *Scientific Reports*, **2016**, 6, 21470	4.9	10
573	Temporal waveguides for optical pulses. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 1112	1.7	24
572	Characterizing the Optical Response of Symmetric Hemispherical Nano-dimers. *Plasmonics*, **2015**, 10, 1453-1466	2.4	8
571	Plastic fiber design for THz generation through wavelength translation. *Optics Letters*, **2015**, 40, 2107-10	3	7
570	Mid-infrared supercontinuum generation using dispersion-engineered Ge(11.5)As(24)Se(64.5) chalcogenide channel waveguide. *Optics Express*, **2015**, 23, 6903-14	3.3	78
569	Soliton stability and trapping in multimode fibers. *Optics Letters*, **2015**, 40, 225-8	3	34

568	Yb:fiber laser-based, spectrally coherent and efficient generation of femtosecond 1.3-μJ pulses from a fiber with two zero-dispersion wavelengths. *Optics Letters*, **2015**, 40, 3631-4	3	9
567	Theoretical analysis of hot electron dynamics in nanorods. *Scientific Reports*, **2015**, 5, 12140	4.9	50
566	Dual-pump frequency comb generation in normally dispersive optical fibers. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 1705	1.7	15
565	Spectral changes induced by a phase modulator acting as a time lens. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 1550	1.7	9
564	What is the Temporal Analog of Reflection and Refraction of Optical Beams?. *Physical Review Letters*, **2015**, 115, 183901	7.4	51
563	Low-loss dielectric-loaded graphene surface plasmon polariton waveguide based biochemical sensor. *Journal of Applied Physics*, **2015**, 117, 213105	2.5	21
562	Ultrabroadband mid-infrared supercontinuum generation through dispersion engineering of chalcogenide microstructured fibers. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 2343	1.7	23
561	Temporal Analog of Reflection and Refraction at a Temporal Boundary **2015**,		1
560	Nonlinear Limits of SDM Transmission **2014**,		2
559	Quasi-static analysis of controllable optical cross-sections of a layered nanoparticle with a sandwiched gain layer. *Journal of Optics (United Kingdom)*, **2014**, 16, 075003	1.7	17
558	Dielectric function of spherical dome shells with quantum size effects. *Optics Express*, **2014**, 22, 11966-84	3.3	16
557	Dual targeted polymeric nanoparticles based on tumor endothelium and tumor cells for enhanced antitumor drug delivery. *Molecular Pharmaceutics*, **2014**, 11, 697-715	5.6	28
556	Adapalene loaded solid lipid nanoparticles gel: an effective approach for acne treatment. *Colloids and Surfaces B: Biointerfaces*, **2014**, 121, 222-9	6	112
555	Effect of random linear mode coupling on intermodal four-wave mixing in few-mode fibers **2014**,		3
554	Reflection and transmission of electromagnetic waves at a temporal boundary. *Optics Letters*, **2014**, 39, 574-7	3	71
553	Electrically pumped hybrid plasmonic waveguide. *Optics Express*, **2014**, 22, 2681-94	3.3	24
552	Dispersion engineered $Ge_{11.5}As_{24}Se_{64.5}$ nanowire for supercontinuum generation: a parametric study. *Optics Express*, **2014**, 22, 31029-40	3.3	31
551	Theory of intermodal four-wave mixing with random linear mode coupling in few-mode fibers. *Optics Express*, **2014**, 22, 32039-59	3.3	65

550	Parametric stimulated two-photon emission through a biphotonic cascade. *Physical Review A*, **2014**, 90,	2.6	1
549	Optical Fibers **2014**, 1-25		
548	Nonlinear Propagation in Multimode and Multicore Fibers: Generalization of the Manakov Equations. *Journal of Lightwave Technology*, **2013**, 31, 398-406	4	199
547	Galactose decorated PLGA nanoparticles for hepatic delivery of acyclovir. *Drug Development and Industrial Pharmacy*, **2013**, 39, 1866-73	3.6	22
546	Stimulated Raman scattering cascade spanning the wavelength range of 523 to 1750 nm using a graded-index multimode optical fiber. *Applied Physics Letters*, **2013**, 102, 201107	3.4	56
545	. *IEEE Photonics Technology Letters*, **2013**, 25, 78-80	2.2	7
544	Optical Solitons **2013**, 129-191		8
543	Time-transformation approach to pulse propagation in nonlinear dispersive media: Inclusion of delayed Raman nonlinearity. *Physical Review A*, **2013**, 87,	2.6	13
542	Polarization Effects **2013**, 193-244		4
541	Characteristics of photonic crystal fibers designed with an annular core using a single material. *Applied Optics*, **2013**, 52, 3088-93	1.7	2
540	Nonlinear Performance of SDM Systems Designed with Multimode or Multicore Fibers **2013**,		8
539	Propagation of few-cycle pulses in nonlinear Kerr media: harmonic generation. *Optics Letters*, **2013**, 38, 724-6	3	9
538	Design of an efficient mid-IR light source using chalcogenide holey fibers: a numerical study. *Journal of Optics (United Kingdom)*, **2013**, 15, 035205	1.7	23
537	Tuberculosis: from molecular pathogenesis to effective drug carrier design. *Drug Discovery Today*, **2012**, 17, 760-73	8.8	37
536	Impact of Device Parameters on Thermal Performance of High-Speed Oxide-Confined 850-nm VCSELs. *IEEE Journal of Quantum Electronics*, **2012**, 48, 17-26	2	15
535	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2012**, 18, 899-908	3.8	21
534	Guided plasmonic modes of anisotropic slot waveguides. *Nanotechnology*, **2012**, 23, 444006	3.4	20
533	Transverse localization of light and its dependence on the phase front curvature of the input beam in a disordered optical waveguide lattice. *Journal of Optics (United Kingdom)*, **2012**, 14, 075701	1.7	11

532	Birefringence effects in space-division multiplexed fiber transmission systems: Generalization of Manakov equation **2012**,		3
531	Double-liposome-based dual-drug delivery system as vectors for effective management of peptic ulcer. *Journal of Liposome Research*, **2012**, 22, 205-14	6.1	14
530	Phase-Switched All-Optical Flip-Flops Using Two-Input Bistable Resonators. *IEEE Photonics Technology Letters*, **2012**, 24, 479-481	2.2	12
529	Effective mode area and its optimization in silicon-nanocrystal waveguides. *Optics Letters*, **2012**, 37, 2295-7		39
528	Reduction of nonlinear impairments in coupled-core multicore optical fibers **2012**,		3
527	Plasmonic Modes of Metamaterial-Based Slot Waveguides. *Advances in OptoElectronics*, **2012**, 2012, 1-5	0.5	2
526	Effective third-order susceptibility of silicon-nanocrystal-doped silica. *Optics Express*, **2012**, 20, 26275-84	3.3	19
525	Design of phase-switched two-input Kerr flip-flops. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 2288	1.7	3
524	Parametric gain control of a pulse in birefringent photonic crystal fibers. *Physical Review A*, **2012**, 86,	2.6	1
523	Reduction of Nonlinear Penalties Due to Linear Coupling in Multicore Optical Fibers. *IEEE Photonics Technology Letters*, **2012**, 24, 1574-1576	2.2	45
522	Nonlinear pulse propagation: a time-transformation approach. *Optics Letters*, **2012**, 37, 1271-3	3	16
521	New approach to pulse propagation in nonlinear dispersive optical media. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 2958	1.7	24
520	All-Optical Phase Control of a Square-Wave Photonic Clock. *IEEE Photonics Technology Letters*, **2011** , 23, 405-407	2.2	0
519	Observation of spectral and temporal polarization oscillations of optical pulses in a silicon nanowaveguide. *Applied Physics Letters*, **2011**, 99, 201104	3.4	0
518	Optical pulse propagation in dynamic Fabry-Perot resonators. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 1685	1.7	8
517	Dynamic mode theory of optical resonators undergoing refractive index changes. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 2207	1.7	16
516	Polarization-dependent spectral broadening of femtosecond pulses in silicon waveguides. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 2383	1.7	2
515	Nonlinear fiber optics: its history and recent progress [Invited]. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, A1	1.7	129

514	Exact dispersion relation for nonlinear plasmonic waveguides. *Physical Review B*, **2011**, 84,	3.3	38
513	Nonlinear propagation in silicon-based plasmonic waveguides from the standpoint of applications. *Optics Express*, **2011**, 19, 206-17	3.3	34
512	Dynamics of Raman soliton during supercontinuum generation near the zero-dispersion wavelength of optical fibers. *Optics Express*, **2011**, 19, 10443-55	3.3	23
511	Assessment of VCSEL thermal rollover mechanisms from measurements and empirical modeling. *Optics Express*, **2011**, 19, 15490-505	3.3	41
510	Spectral and temporal changes of optical pulses propagating through time-varying linear media. *Optics Letters*, **2011**, 36, 505-7	3	39
509	Efficient adiabatic wavelength conversion in Gires-Tournois resonators. *Optics Letters*, **2011**, 36, 4155-7	3	3
508	Advanced Lightwave Systems **2011**, 459-510		
507	Optical Transmitters **2011**, 79-127		
506	. *Journal of the European Optical Society-Rapid Publications*, **2011**, 6,	2.5	2
505	Maximization of Gain in Slow-Light Silicon Raman Amplifiers. *International Journal of Optics*, **2011**, 2011, 1-7	0.9	5
504	Localization of light in evanescently coupled disordered waveguide lattices: Dependence on the input beam profile. *Optics Communications*, **2011**, 284, 201-206	2	17
503	Light Propagation in Gain Media: Optical Amplifiers **2011**,		56
502	Pulse amplification in semiconductor optical amplifiers with ultrafast gain-recovery times **2010**,		8
501	Optical Square-Wave Clock Generation Based on an All-Optical Flip-Flop. *IEEE Photonics Technology Letters*, **2010**, 22, 489-491	2.2	31
500	Improved transmission model for metal-dielectric-metal plasmonic waveguides with stub structure. *Optics Express*, **2010**, 18, 6191-204	3.3	172
499	Ultrafast optical switching based on nonlinear polarization rotation in silicon waveguides. *Optics Express*, **2010**, 18, 11514-23	3.3	38
498	Analytical study of pulse amplification in silicon Raman amplifiers. *Optics Express*, **2010**, 18, 18324-38	3.3	9
497	FDTD modeling of anisotropic nonlinear optical phenomena in silicon waveguides. *Optics Express*, **2010**, 18, 21427-48	3.3	35

496	Theory of negative refraction in periodic stratified metamaterials. *Optics Express*, **2010**, 18, 27916-29	3.3	7
495	Analytical study of optical bistability in silicon ring resonators. *Optics Letters*, **2010**, 35, 55-7	3	48
494	Dependence of dispersive and birefringence properties of silicon nanowires on waveguide dimensions. *Optics Letters*, **2010**, 35, 190-2	3	7
493	Spectral broadening in ultrafast semiconductor optical amplifiers induced by gain dynamics and self-phase modulation. *Optics Letters*, **2010**, 35, 294-6	3	4
492	Effect of free carriers on pump-to-signal noise transfer in silicon Raman amplifiers. *Optics Letters*, **2010**, 35, 2343-5	3	8
491	Vectorial nonlinear propagation in silicon nanowire waveguides: polarization effects. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, 956	1.7	49
490	. *IEEE Photonics Journal*, **2010**, 2, 423-435	1.8	6
489	Parabolic pulse generation in a dispersion-decreasing solid-core photonic bandgap Bragg fiber. *Optics Communications*, **2010**, 283, 2525-2528	2	8
488	Self-Phase Modulation in Semiconductor Optical Amplifiers: Impact of Amplified Spontaneous Emission. *IEEE Journal of Quantum Electronics*, **2010**, 46, 1396-1403	2	41
487	. *IEEE Journal of Quantum Electronics*, **2010**, 46, 1732-1738	2	10
486	Nonlinear Silicon Photonics: Analytical Tools. *IEEE Journal of Selected Topics in Quantum Electronics*, **2010**, 16, 200-215	3.8	55
485	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2010**, 16, 226-233	3.8	11
484	Mannosylated solid lipid nanoparticles as vectors for site-specific delivery of an anti-cancer drug. *Journal of Controlled Release*, **2010**, 148, 359-67	11.7	158
483	Gelatin nanocarriers as potential vectors for effective management of tuberculosis. *International Journal of Pharmaceutics*, **2010**, 385, 143-9	6.5	116
482	Role of dispersion profile in controlling emission of dispersive waves by solitons in supercontinuum generation. *Optics Communications*, **2010**, 283, 3081-3088	2	27
481	**2010**,		332
480	Dispersive waves emitted by solitons perturbed by third-order dispersion inside optical fibers. *Physical Review A*, **2009**, 79,	2.6	48
479	Perturbation of higher-order solitons by fourth-order dispersion in optical fibers. *Optics Communications*, **2009**, 282, 3798-3803	2	25

478	Optical switching using nonlinear polarization rotation inside silicon waveguides. *Optics Letters*, **2009**, 34, 476-8	3	45
477	Continuous-wave Raman amplification in silicon waveguides: beyond the undepleted pump approximation. *Optics Letters*, **2009**, 34, 536-8	3	26
476	Self-referenced and single-ended method to measure Brillouin gain in monomode optical fibers. *Optics Letters*, **2009**, 34, 1018-20	3	16
475	Effects of higher-order dispersion on resonant dispersive waves emitted by solitons. *Optics Letters*, **2009**, 34, 2072-4	3	47
474	Coupling of stochastic electromagnetic beams into optical fibers. *Optics Letters*, **2009**, 34, 2829-31	3	10
473	. *Journal of Lightwave Technology*, **2009**, 27, 3831-3836	4	13
472	Effects of coherence and polarization on the coupling of stochastic electromagnetic beams into optical fibers. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2009**, 26, 2452-8	1.8	13
471	Raman amplification of optical pulses in silicon waveguides: effects of finite gain bandwidth, pulse width, and chirp. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, 17	1.7	13
470	Maximization of net optical gain in silicon-waveguide Raman amplifiers. *Optics Express*, **2009**, 17, 5807-14	3.3	23
469	Unified perfectly matched layer for finite-difference time-domain modeling of dispersive optical materials. *Optics Express*, **2009**, 17, 21179-90	3.3	21
468	Analytical study of optical bistability in silicon-waveguide resonators. *Optics Express*, **2009**, 17, 22124-37	3.3	27
467	Guided wave optics: physics, technology, and applications: introduction to the feature issue. *Applied Optics*, **2009**, 48, GWO1	0.2	
466	. *Journal of Lightwave Technology*, **2009**, 27, 3241-3248	4	12
465	Raman-Mediated Nonlinear Interactions in Silicon Waveguides: Copropagating and Counterpropagating Pulses. *IEEE Photonics Technology Letters*, **2009**, 21, 1372-1374	2.2	9
464	All-optical flip-flop operation of VCSOA. *Electronics Letters*, **2009**, 45, 127	1.1	19
463	Phase-space quality factor for ultrashort pulsed beams. *Optics Letters*, **2008**, 33, 767-9	3	4
462	. *Journal of Lightwave Technology*, **2008**, 26, 1653-1660	4	16
461	Nonlinear Interaction Between Signal and Noise in Optical Fibers. *Journal of Lightwave Technology*, **2008**, 26, 1847-1853	4	9

460	Nonlinear interaction of two or more similaritons in loss- and dispersion-managed fibers. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 983	1.7	18
459	An insight on hyaluronic acid in drug targeting and drug delivery. *Journal of Drug Targeting*, **2008**, 16, 91-107	5.4	92
458	Fiber-Optic Communications **2008**, 301-348		1
457	Fiber Amplifiers **2008**, 131-178		1
456	Fiber Couplers **2008**, 54-99		1
455	Pulse Compression **2008**, 245-300		1
454	Calcium-silicate-based floating granular delivery system of ranitidine hydrochloride for effective management of peptic ulcer. *Medicinal Chemistry Research*, **2008**, 17, 305-317	2.2	1
453	Femtosecond pulse propagation in silicon waveguides: Variational approach and its advantages. *Optics Communications*, **2008**, 281, 5889-5893	2	16
452	Optical Signal Processing **2008**, 349-396		1
451	Quantum Applications **2008**, 447-492		1
450	Porous carrier based floating granular delivery system of repaglinide. *Drug Development and Industrial Pharmacy*, **2007**, 33, 381-91	3.6	12
449	Development and characterization of hyaluronic acid-anchored PLGA nanoparticulate carriers of doxorubicin. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2007**, 3, 246-57	6	116
448	Photon-pair generation in optical fibers through four-wave mixing: Role of Raman scattering and pump polarization. *Physical Review A*, **2007**, 75,	2.6	125
447	Noise-Induced Spectral Shifts in Pseudo-Linear Fiber-Optic Communication Systems **2007**,		1
446	Dispersion of silicon nonlinearities in the near infrared region. *Applied Physics Letters*, **2007**, 91, 021111	3.4	158
445	Anisotropic nonlinear response of silicon in the near-infrared region. *Applied Physics Letters*, **2007**, 91, 071113	3.4	45
444	Soliton fission and supercontinuum generation in silicon waveguides. *Optics Letters*, **2007**, 32, 391-3	3	226
443	Optical similaritons in nonlinear waveguides. *Optics Letters*, **2007**, 32, 1659-61	3	119

442	Impact of two-photon absorption on self-phase modulation in silicon waveguides. *Optics Letters*, **2007**, 32, 2031-3	3	230
441	Remote optical control of an optical flip-flop. *Optics Letters*, **2007**, 32, 3260-2	3	11
440	Polarization changes of partially coherent pulses propagating in optical fibers. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2007**, 24, 3063-8	1.8	27
439	Interactions of chirped and chirp-free similaritons in optical fiber amplifiers. *Optics Express*, **2007**, 15, 2963-73	3.3	71
438	Optical solitons in a silicon waveguide. *Optics Express*, **2007**, 15, 7682-8	3.3	69
437	Nonlinear optical phenomena in silicon waveguides: modeling and applications. *Optics Express*, **2007**, 15, 16604-44	3.3	608
436	Anisotropic nonlinear response of silicon in the near-infrared region **2007**,		1
435	A novel calcium silicate based microspheres of repaglinide: in vivo investigations. *Journal of Controlled Release*, **2006**, 113, 111-6	11.7	59
434	Controlled release calcium silicate based floating granular delivery system of ranitidine hydrochloride. *Current Drug Delivery*, **2006**, 3, 367-72	3.2	7
433	Spectral and spatial dynamics in InGaN blue-violet lasers. *Applied Physics Letters*, **2006**, 89, 241128	3.4	8
432	A novel design for polarization-independent single-pump fiber-optic parametric amplifiers **2006**,		1
431	Do solitonlike self-similar waves exist in nonlinear optical media?. *Physical Review Letters*, **2006**, 97, 013901	7.4	157
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