

Andrey A Sukhorukov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4845203/publications.pdf>

Version: 2024-02-01

427
papers

8,864
citations

38742

50
h-index

53230

85
g-index

427
all docs

427
docs citations

427
times ranked

4119
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Optical Neural Network Based on Synthetic Nonlinear Photonic Lattices. Physical Review Applied, 2022, 17, . | 3.8 | 6 |
| 2 | Enhanced generation of angle correlated photon-pairs in nonlinear metasurfaces. New Journal of Physics, 2022, 24, 035006. | 2.9 | 8 |
| 3 | Nonlinear quantum spectroscopy with parity-time-symmetric integrated circuits. Photonics Research, 2022, 10, 1763. | 7.0 | 2 |
| 4 | Complete conversion between one and two photons in nonlinear waveguides: theory of dispersion engineering. New Journal of Physics, 2022, 24, 065002. | 2.9 | 1 |
| 5 | Photon-pair Generation Via Multiple Bound States in the Continuum in Nonlinear Metasurfaces. , 2021, , . | | 0 |
| 6 | Single-shot integrated multi-photon split state tomography. , 2021, , . | | 0 |
| 7 | Deep Neural Networks with Time-Domain Synthetic Photonic Lattices. , 2021, , . | | 0 |
| 8 | Demonstration of Lossy Linear Transformations and Two-Photon Interference via Singular Value Decomposition. , 2021, , . | | 0 |
| 9 | Enhanced generation of nondegenerate photon pairs in nonlinear metasurfaces. Advanced Photonics, 2021, 3, . | 11.8 | 62 |
| 10 | Integrated Photonic Sources and Circuits in Lithium Niobate Platform. , 2021, , . | | 1 |
| 11 | Experimental Monitoring of Polarization Perturbations with Metasurfaces. , 2021, , . | | 0 |
| 12 | Directional Radiated Emission From Converging Waveguide Arrays. , 2021, , . | | 0 |
| 13 | Metasurface-Assisted Quantum Ghost Discrimination of Polarization Objects. Physical Review Applied, 2021, 16, . | 3.8 | 11 |
| 14 | Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. Nature Photonics, 2020, 14, 76-81. | 31.4 | 35 |
| 15 | Complex-Birefringent Dielectric Metasurfaces for Arbitrary Polarization-Pair Transformations. ACS Photonics, 2020, 7, 3015-3022. | 6.6 | 14 |
| 16 | Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. Light: Science and Applications, 2020, 9, 132. | 16.6 | 30 |
| 17 | Synthetic photonic lattice for single-shot reconstruction of frequency combs. APL Photonics, 2020, 5, . | 5.7 | 9 |
| 18 | Reconfigurable cluster-state generation in specially poled nonlinear waveguide arrays. Physical Review A, 2020, 101, . | 2.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Photon-pair generation via bound states in the continuum in nonlinear metasurfaces. , 2020, , . | | 1 |
| 20 | Non-Degenerate Nonlinear Frequency Mixing in (110)-Grown GaAs Nanoresonators. , 2020, , . | | 0 |
| 21 | Discerning Polarization Objects using Non-local Measurements with Metasurfaces. , 2020, , . | | 0 |
| 22 | Arbitrary Transformation of Two-Photon Polarization States with Metasurfaces. , 2020, , . | | 0 |
| 23 | Optimal Monitoring of Deviations from Target Polarization with Metasurfaces. , 2020, , . | | 0 |
| 24 | Disorder-protected quantum state transmission through helical coupled-resonator waveguides. Photonics Research, 2020, 8, B15. | 7.0 | 5 |
| 25 | Non-Degenerate Sum-Frequency Generation in (110)-Grown GaAs Nanoresonators. , 2020, , . | | 0 |
| 26 | Arbitrary Transformation of Two-Photon Polarization-Entangled States with Metasurfaces. , 2020, , . | | 0 |
| 27 | Optimal Monitoring of Arbitrary Target Polarization with Metasurfaces. , 2020, , . | | 0 |
| 28 | Nonlinear transition between PT-symmetric and PT-broken modes in coupled fiber lasers. Optics Express, 2020, 28, 30340. | 3.4 | 6 |
| 29 | Optimal Monitoring of Small Polarization Perturbations with Metasurfaces. , 2020, , . | | 0 |
| 30 | Tomography of Quantum Dots in a Non-Hermitian Photonic Chip. , 2019, , . | | 0 |
| 31 | Nonlinear optical lattices with a void impurity. Physical Review E, 2019, 100, 042214. | 2.1 | 1 |
| 32 | Nonlinear Quantum Spectroscopy Enhanced by Parity-Time Symmetry. , 2019, , . | | 0 |
| 33 | Observation of localized modes at effective gauge field interface in synthetic mesh lattice. Scientific Reports, 2019, 9, 3464. | 3.3 | 10 |
| 34 | Direct Quantum Error Detection in Spatially Multiplexed Transmission. , 2019, , . | | 0 |
| 35 | Generating Quantum States of Surface Plasmon-Polariton Pairs with a Nonlinear Nanoparticle. , 2019, , . | | 0 |
| 36 | Robust Polarimetry with a Single Metagrating. , 2019, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Complex-Birefringent and Chiral Waveplates with Metasurfaces. , 2019, , . | | 1 |
| 38 | Broadband on-chip polarization mode splitters in lithium niobate integrated adiabatic couplers. Optics Express, 2019, 27, 1632. | 3.4 | 21 |
| 39 | Inline detection and reconstruction of multiphoton quantum states. Optica, 2019, 6, 41. | 9.3 | 5 |
| 40 | Spontaneous photon-pair generation from a dielectric nanoantenna. Optica, 2019, 6, 1416. | 9.3 | 98 |
| 41 | Optimal Single Metagrating for Robust Polarization Measurements. , 2019, , . | | 0 |
| 42 | Manipulating and Imaging Quantum Light with Dielectric Metasurfaces. , 2019, , . | | 0 |
| 43 | Broadband On-Chip Adiabatic-Coupling Polarization Mode Splitters in Lithium Niobate Waveguides. , 2019, , . | | 0 |
| 44 | Spectral mapping of an integrated type-II photon-pair source using quantum-classical correspondence. , 2019, , . | | 0 |
| 45 | Atom-mediated nonlinear photon-pair generation using photonic band-gap modes. , 2019, , . | | 0 |
| 46 | Direct Detection of Quantum Phase Errors in Spatially Multiplexed Transmission Channels. , 2019, , . | | 0 |
| 47 | Deep learning with synthetic photonic lattices for equalization in optical transmission systems. , 2019, , . | | 2 |
| 48 | Inline multiphoton quantum state tomography. , 2019, , . | | 0 |
| 49 | Scalable on-chip quantum state tomography. Npj Quantum Information, 2018, 4, . | 6.7 | 50 |
| 50 | Direct characterization of a nonlinear photonic circuit's wave function with laser light. Light: Science and Applications, 2018, 7, 17143-17143. | 16.6 | 27 |
| 51 | LiNbO3 waveguides for integrated SPDC spectroscopy. APL Photonics, 2018, 3, . | 5.7 | 32 |
| 52 | Interplay of Cascaded Raman- and Brillouin-like Scattering in Nanostructured Optical Waveguides. ACS Photonics, 2018, 5, 1074-1083. | 6.6 | 4 |
| 53 | Non-Hermitian Optical Waveguide Couplers. Springer Tracts in Modern Physics, 2018, , 277-300. | 0.1 | 0 |
| 54 | Quantum metasurface for multiphoton interference and state reconstruction. Science, 2018, 361, 1104-1108. | 12.6 | 227 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Topological Floquet edge states in periodically curved waveguides. <i>Physical Review A</i> , 2018, 98, . | 2.5 | 19 |
| 56 | Photon-pair generation in a quadratically nonlinear parity-time symmetric coupler. <i>Photonics Research</i> , 2018, 6, A6. | 7.0 | 10 |
| 57 | Bistable lasing in parity-time symmetric coupled fiber rings. <i>Photonics Research</i> , 2018, 6, A18. | 7.0 | 11 |
| 58 | Atom-mediated Spontaneous Parametric Down-conversion Using Bandgap Modes in Nonlinear Periodic Waveguides. , 2018, , . | | 0 |
| 59 | Scalable multi-dimensional synthetic space and full state reconstruction in spectral lattices. , 2018, , . | | 0 |
| 60 | Sum-Frequency- and Photon-Pair-Generation in AlGaAs Nano-Disks. , 2018, , . | | 1 |
| 61 | Towards SPDC Spectroscopy on a LiNbO3 Chip. , 2018, , . | | 0 |
| 62 | Influence of Kerr nonlinearity on PT-transition in coupled fibre lasers. , 2018, , . | | 0 |
| 63 | Effect of loss on single photon parametric amplification. <i>Optics Communications</i> , 2017, 390, 117-122. | 2.1 | 2 |
| 64 | Deriving eigenmode excitation spectrum of synthetic photonic lattices by means of optical heterodyning. <i>Laser Physics</i> , 2017, 27, 026203. | 1.2 | 1 |
| 65 | Observation of Bloch oscillations with a threshold. <i>APL Photonics</i> , 2017, 2, . | 5.7 | 4 |
| 66 | Path-entangled photon sources on nonlinear chips. <i>Reviews in Physics</i> , 2017, 2, 19-31. | 8.9 | 49 |
| 67 | Harmonic generation enhancement due to interaction of few-cycle light pulses in nonlinear dielectric coating on a mirror. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3714-3721. | 2.1 | 1 |
| 68 | Optical emulation of photon-pair generation in nonlinear lossy waveguides. <i>Europhysics Letters</i> , 2017, 118, 54001. | 2.0 | 2 |
| 69 | Asymmetric adiabatic couplers for fully-integrated broadband quantum-polarization state preparation. <i>Scientific Reports</i> , 2017, 7, 16841. | 3.3 | 5 |
| 70 | Robust generation of orbital-angular-momentum-entangled biphotons in twisted nonlinear-waveguide arrays. <i>Physical Review A</i> , 2017, 96, . | 2.5 | 2 |
| 71 | Anderson localization in synthetic photonic lattices. <i>Scientific Reports</i> , 2017, 7, 4301. | 3.3 | 50 |
| 72 | Coherent control of flexural vibrations in dual-nanoweb fibers using phase-modulated two-frequency light. <i>Physical Review A</i> , 2017, 96, . | 2.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Towards on-chip photon-pair bell tests: Spatial pump filtering in a LiNbO3 adiabatic coupler. Applied Physics Letters, 2017, 111, . | 3.3 | 6 |
| 74 | Photonic modes localized by gauge field in synthetic photonic lattices. , 2017, , . | | 0 |
| 75 | Generation of orbital-angular-momentum entangled biphotons in twisted nonlinear waveguides. Journal of Physics: Conference Series, 2017, 917, 062010. | 0.4 | 1 |
| 76 | Quantum tomography of a nonlinear photonic circuit by classical sum-frequency generation measurements. , 2017, , . | | 0 |
| 77 | Frequency comb generation in SNAP bottle resonators. Optics Letters, 2017, 42, 2149. | 3.3 | 28 |
| 78 | Non-reciprocal geometric phase in nonlinear frequency conversion. Optics Letters, 2017, 42, 1990. | 3.3 | 18 |
| 79 | Atom-mediated spontaneous parametric down-conversion in periodic waveguides. Optics Letters, 2017, 42, 4724. | 3.3 | 16 |
| 80 | Coherent control of flexural vibrations in dual-nanoweb fibre using phase-modulated two-colour CW laser light. , 2017, , . | | 0 |
| 81 | Sum-frequency generation and photon-pair creation in AlGaAs nano-disks. , 2017, , . | | 1 |
| 82 | Experimental realization of exact mapping from multi-dimensional to planar micro-photonic lattices. , 2017, , . | | 0 |
| 83 | Quantum spectroscopy on a nonlinear photonic chip. , 2017, , . | | 0 |
| 84 | Scalable on-chip quantum state tomography. , 2017, , . | | 0 |
| 85 | Quantum polarization tomography with all-dielectric metasurfaces. , 2017, , . | | 0 |
| 86 | Sum-Frequency Generation and Photon-Pair Creation in AlGaAs Nano-Scale Resonators. , 2017, , . | | 5 |
| 87 | Quantum imaging with dielectric metasurfaces for multi-photon polarization tomography. , 2017, , . | | 2 |
| 88 | Spectral photonic lattices with complex long-range coupling. Optica, 2017, 4, 1433. | 9.3 | 87 |
| 89 | Parity-Time Symmetric Fiber Ring Laser. , 2017, , . | | 0 |
| 90 | Localized Photonic Modes at Synthetic Gauge Lattice Interfaces. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Nonlinearity-induced spectral lattice with optically tunable long-range complex hopping. , 2017, , . | | 0 |
| 92 | Integrated Quantum Spectroscopy on a Nonlinear Chip. , 2017, , . | | 0 |
| 93 | Scalable quantum tomography in a photonic chip. , 2017, , . | | 0 |
| 94 | Photonic modes in synthetic photonic lattices localized due to nontrivial gauge field circulation. , 2017, , . | | 0 |
| 95 | PT-symmetry of coupled fiber lasers. , 2017, , . | | 0 |
| 96 | Localization in disordered potential in photonic lattice realized in time domain. , 2017, , . | | 0 |
| 97 | Generation of photon pairs through parametric processes in nonlinear waveguides with the account of losses. Journal of Physics: Conference Series, 2016, 741, 012133. | 0.4 | 0 |
| 98 | Frequency Combs in Nonlinear SNAP Fiber Resonators. , 2016, , . | | 1 |
| 99 | Experimental demonstration of bidirectional light transfer in adiabatic waveguide structures. Optics Letters, 2016, 41, 5278. | 3.3 | 10 |
| 100 | Resolving the mystery of milliwatt-threshold opto-mechanical self-oscillation in dual-nanoweb fiber. APL Photonics, 2016, 1, . | 5.7 | 27 |
| 101 | Constructing eigenmode excitation spectrum in synthetic photonic lattices using optical heterodyning. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 102 | Surface waves in mesh synthetic photonic lattices. , 2016, , . | | 1 |
| 103 | Tunable generation of entangled photons in a nonlinear directional coupler. Laser and Photonics Reviews, 2016, 10, 131-136. | 8.7 | 38 |
| 104 | Nonlinear switching and solitons in PT-symmetric photonic systems. Laser and Photonics Reviews, 2016, 10, 177-213. | 8.7 | 288 |
| 105 | Two-photon tomography using on-chip quantum walks. Optics Letters, 2016, 41, 4079. | 3.3 | 21 |
| 106 | Non-Hermitian trimers: PT-symmetry versus pseudo-Hermiticity. New Journal of Physics, 2016, 18, 065005. | 2.9 | 33 |
| 107 | Generation of Photon-Plasmon Quantum States in Nonlinear Hyperbolic Metamaterials. Physical Review Letters, 2016, 117, 123901. | 7.8 | 72 |
| 108 | Fabrication of free-standing lithium niobate nanowaveguides down to 50 nm in width. Nanotechnology, 2016, 27, 065301. | 2.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Nonlocal splitting of photons on a nonlinear chip. <i>Optics Letters</i> , 2016, 41, 5604. | 3.3 | 3 |
| 110 | Observation of Bloch oscillations with a threshold. , 2016, , . | | 0 |
| 111 | Optical Simulation of Nonlinear Twisted-Ring Defect States with Planar Waveguide Arrays. , 2016, , . | | 0 |
| 112 | Scalable on-chip quantum state tomography. , 2016, , . | | 0 |
| 113 | Photon-pair generation and sum-frequency conversion in nonlinear dielectric nanoresonators. , 2016, , . | | 0 |
| 114 | Generation of Photon-Plasmon Quantum Entanglement in Nonlinear Metamaterials. , 2016, , . | | 0 |
| 115 | Photon-pair generation in nonlinear lossy waveguides: An optical emulation. , 2016, , . | | 0 |
| 116 | Measurement of photon-pair generation in waveguide arrays with specialized poling. , 2016, , . | | 0 |
| 117 | A nonlinear waveguide array with inhomogeneous poling pattern for the generation of photon pairs. , 2016, , . | | 0 |
| 118 | Photonic cluster state generation in nonlinear waveguide arrays. , 2016, , . | | 0 |
| 119 | A nonlinear waveguide array with inhomogeneous poling pattern for the generation of photon pairs and its characterization in the quantum and classical regimes. , 2016, , . | | 0 |
| 120 | Quantum-classical correspondence for photon-pair generation in nonlinear dielectric nano-resonators. , 2016, , . | | 0 |
| 121 | Lattice topology and spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. <i>Physical Review A</i> , 2015, 92, . | 2.5 | 13 |
| 122 | Generation of photons with all-optically-reconfigurable entanglement in integrated nonlinear waveguides. <i>Physical Review A</i> , 2015, 92, . | 2.5 | 18 |
| 123 | Quantum walks of photon pairs in twisted waveguide arrays. <i>Journal of Physics: Conference Series</i> , 2015, 643, 012050. | 0.4 | 1 |
| 124 | Enhancing Guided Second-Harmonic Light in Lithium Niobate Nanowires. <i>ACS Photonics</i> , 2015, 2, 687-691. | 6.6 | 51 |
| 125 | Anderson localization of light in synthetic photonic lattices. , 2015, , . | | 0 |
| 126 | Generation of quantum entangled states in nonlinear plasmonic structures and metamaterials (Presentation Recording). , 2015, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Parity-time anti-symmetric parametric amplifier. Optics Letters, 2015, 40, 4575. | 3.3 | 60 |
| 128 | Harmonic generation by a terahertz pulse in a thin nonlinear layer on a metal mirror. , 2015, , . | | 0 |
| 129 | Unidirectional flow of discrete solitons in waveguide arrays. Optics Letters, 2015, 40, 2719. | 3.3 | 22 |
| 130 | Opto-mechanical interactions in split ball resonators (Presentation Recording). , 2015, , . | | 0 |
| 131 | Anderson Localization in Synthetic Photonic Lattices. , 2015, , . | | 3 |
| 132 | Reflectionless potentials for slow whispering gallery modes in surface nanoscale axial photonic fiber resonators. Optics Letters, 2015, 40, 3806. | 3.3 | 7 |
| 133 | Parity-time anti-symmetric parametric amplification. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 134 | Modulated coupled nanowires for ultrashort pulses. Optics Letters, 2015, 40, 4078. | 3.3 | 1 |
| 135 | Complete conversion of one to two photons in dispersion-engineered nonlinear waveguides. , 2015, , . | | 1 |
| 136 | Optically tunable entangled photon state generation in a nonlinear directional coupler. , 2015, , . | | 0 |
| 137 | Generation of reconfigurable photon-pair states in aperiodically poled quadratic waveguide arrays. , 2014, , . | | 0 |
| 138 | Spatio-temporal dynamics of single-cycle optical pulses and nonlinear frequency conversion. International Journal of Modern Physics B, 2014, 28, 1442007. | 2.0 | 6 |
| 139 | Optical Tamm states in arrays of all-dielectric nanoparticles. JETP Letters, 2014, 100, 430-433. | 1.4 | 7 |
| 140 | Photon pair generation and pump filtering in nonlinear adiabatic waveguiding structures. Optics Letters, 2014, 39, 953. | 3.3 | 20 |
| 141 | Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. Physical Review X, 2014, 4, . | 8.9 | 52 |
| 142 | Phase sensitivity of light dynamics in PT-symmetric couplers. Applied Physics A: Materials Science and Processing, 2014, 115, 443-447. | 2.3 | 5 |
| 143 | Nonlinear coupled-mode theory for periodic plasmonic waveguides and metamaterials with loss and gain. Optics Letters, 2014, 39, 462. | 3.3 | 37 |
| 144 | Effect of loss on photon-pair generation in nonlinear waveguide arrays. Physical Review A, 2014, 90, . | 2.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Biphoton generation and pump filtering in nonlinear adiabatic waveguiding structures. , 2014, , . | | 0 |
| 146 | Chaotic oscillations of coupled nanobeam cavities with tailored optomechanical potentials. Optics Letters, 2014, 39, 3543. | 3.3 | 6 |
| 147 | Single-photon spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. Optics Communications, 2014, 327, 22-26. | 2.1 | 16 |
| 148 | Signal manipulation with a PT-symmetric coupler embedded into an array of optical waveguides. Letters on Materials, 2014, 4, 222-225. | 0.7 | 3 |
| 149 | Simulation of two-mode squeezing in photonic waveguide lattices. , 2014, , . | | 0 |
| 150 | Generation of orbital-angular-momentum-entangled biphotons in triangular quadratic waveguide arrays. Physical Review A, 2013, 87, . | 2.5 | 13 |
| 151 | Coupled-mode theory for nonlinear plasmonic structures and metamaterials. , 2013, , . | | 0 |
| 152 | Compact Surface Fano States Embedded in the Continuum of Waveguide Arrays. Physical Review Letters, 2013, 111, 240403. | 7.8 | 175 |
| 153 | Loss compensation in metal-dielectric layered metamaterials. Physical Review B, 2013, 87, . | 3.2 | 44 |
| 154 | Publisher's Note: Loss compensation in metal-dielectric layered metamaterials [Phys. Rev. B87, 115139 (2013)]. Physical Review B, 2013, 87, . | 3.2 | 0 |
| 155 | Classical simulation of squeezed light in optical waveguide arrays. Physical Review A, 2013, 87, . | 2.5 | 16 |
| 156 | Coherent perfect absorption and reflection in slow-light waveguides. Optics Letters, 2013, 38, 4970. | 3.3 | 21 |
| 157 | Coupled-mode theory analysis of optical forces between longitudinally shifted periodic waveguides. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 736. | 2.1 | 6 |
| 158 | Photon pair generation in quadratic waveguide arrays: A classical optical simulation. , 2013, , . | | 0 |
| 159 | Harmonic Generation with Single-Cycle Light Pulses. EPJ Web of Conferences, 2013, 41, 01006. | 0.3 | 1 |
| 160 | Photon pair generation in nonlinear adiabatic waveguiding structures. , 2013, , . | | 0 |
| 161 | Compact Fano states embedded in the continuum of waveguide arrays. , 2013, , . | | 0 |
| 162 | Nonlinear Quantum Walks at the Edge of Quadratic Waveguide Arrays. , 2013, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 163 | Loss-Tolerant Photon-Pair Generation and Quantum Walks in Nonlinear Waveguide Arrays. , 2013, , . | | 0 |
| 164 | Slow-light enhanced optical forces between longitudinally shifted photonic-crystal nanowire waveguides. Optics Letters, 2012, 37, 785. | 3.3 | 4 |
| 165 | Observation of spontaneous parametric down conversion in LiNbO3 waveguide arrays. , 2012, , . | | 0 |
| 166 | Nonlinear coupled-mode theory for periodic waveguides and metamaterials with loss and gain. , 2012, , . | | 1 |
| 167 | Bloch-mode analysis for effective parameters restoration. , 2012, , . | | 0 |
| 168 | Combined frequency conversion and pulse compression in nonlinear tapered waveguides. Optics Letters, 2012, 37, 446. | 3.3 | 3 |
| 169 | Nonlocality in PT-symmetric waveguide arrays with gain and loss. Optics Letters, 2012, 37, 2148. | 3.3 | 54 |
| 170 | Frozen and broadband slow light in coupled periodic nanowire waveguides. Optics Express, 2012, 20, 3519. | 3.4 | 23 |
| 171 | Photon-pair generation in arrays of cubic nonlinear waveguides. Optics Express, 2012, 20, 27441. | 3.4 | 24 |
| 172 | Slow and frozen light in optical waveguides with multiple gratings: Degenerate band edges and stationary inflection points. Physical Review A, 2012, 85, . | 2.5 | 37 |
| 173 | Scattering of the discrete solitons on the PT -symmetric defects. Europhysics Letters, 2012, 100, 54003. | 2.0 | 23 |
| 174 | Slow-light enhanced optomechanical interactions. , 2012, , . | | 1 |
| 175 | Self-phase modulation and frequency generation with few-cycle optical pulses in nonlinear dispersive media. Physical Review A, 2012, 86, . | 2.5 | 30 |
| 176 | Breathers in PT -symmetric optical couplers. Physical Review A, 2012, 86, . | 2.5 | 105 |
| 177 | Gain-induced compensation of losses in metal-dielectric metamaterials. , 2012, , . | | 0 |
| 178 | Bistability suppression and low threshold switching using frozen light at a degenerate band edge waveguide. Optics Express, 2012, 20, 27363. | 3.4 | 9 |
| 179 | Light propagation and localization in modulated photonic lattices and waveguides. Physics Reports, 2012, 518, 1-79. | 25.6 | 405 |
| 180 | Spontaneous Parametric Down-Conversion and Quantum Walks in Arrays of Quadratic Nonlinear Waveguides. Physical Review Letters, 2012, 108, 023601. | 7.8 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Biphoton generation in quadratic waveguide arrays: A classical optical simulation. Scientific Reports, 2012, 2, 562. | 3.3 | 35 |
| 182 | Transition from slow and frozen to superluminal and backward light through loss or gain in dispersion-engineered waveguides. Physical Review A, 2012, 85, . | 2.5 | 9 |
| 183 | Bloch-mode analysis for retrieving effective parameters of metamaterials. Physical Review B, 2012, 86, . | 3.2 | 53 |
| 184 | Optical solitons in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric nonlinear couplers with gain and loss. Physical Review A, 2012, 85, . | 2.5 | 201 |
| 185 | Band structure and broadband compensation of absorption by amplification in layered optical metamaterials. Journal of Experimental and Theoretical Physics, 2012, 114, 782-791. | 0.9 | 8 |
| 186 | Low-Power All-Optical Switching through Frozen Light at Degenerate Band Edges. , 2012, , . | | 0 |
| 187 | Classical Optical Simulation of Bi-Photon Generation in Quadratic Waveguide Arrays. , 2012, , . | | 0 |
| 188 | Generation of Photon Pairs in Cubic Nonlinear Waveguide Arrays. , 2012, , . | | 0 |
| 189 | Simultaneous Photon-Pair Generation and Quantum Walks in a Waveguide Array. , 2012, , . | | 0 |
| 190 | Nonlinear Control of Multicolor Beams in Coupled Optical Waveguides. Springer Series in Optical Sciences, 2012, , 111-132. | 0.7 | 0 |
| 191 | Observation of spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. , 2012, , . | | 0 |
| 192 | Two-dimensional surface waves in modulated photonic lattices. , 2011, , . | | 0 |
| 193 | Stationary inflection points in optical waveguides: Accessible frozen light. , 2011, , . | | 0 |
| 194 | Loss saturation in dispersion-engineered slow light waveguides. , 2011, , . | | 0 |
| 195 | Cascaded third harmonic generation in lithium niobate nanowaveguides. Applied Physics Letters, 2011, 98, . | 3.3 | 26 |
| 196 | Slow-light and evanescent modes at interfaces in photonic crystal waveguides: optimal extraction from experimental near-field measurements. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 955. | 2.1 | 12 |
| 197 | Slow light in photonic crystals with loss or gain. , 2011, , . | | 1 |
| 198 | Spectral pulse transformations and phase transitions in quadratic nonlinear waveguide arrays. Optics Express, 2011, 19, 23188. | 3.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 199 | Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. Optics Letters, 2011, 36, 1170. | 3.3 | 24 |
| 200 | Control of light transmission in laser-written phase-shifted Bragg grating couplers. Optics Letters, 2011, 36, 1380. | 3.3 | 6 |
| 201 | Degenerate band edges in optical fiber with multiple grating: efficient coupling to slow light. Optics Letters, 2011, 36, 3257. | 3.3 | 11 |
| 202 | Comparative Study of FDTD-Adopted Numerical Algorithms for Kerr Nonlinearities. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 143-146. | 4.0 | 31 |
| 203 | Scattering of linear and nonlinear waves in a waveguide array with a PT -symmetric defect. Physical Review A, 2011, 84, | 2.5 | 50 |
| 204 | Diffraction cancellation. Nature Photonics, 2011, 5, 4-5. | 31.4 | 3 |
| 205 | TaCoNa-Photonics 2010. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 295. | 2.0 | 0 |
| 206 | Observation of tunneling of slow and fast electromagnetic modes in coupled periodic waveguides. Applied Physics Letters, 2011, 98, . | 3.3 | 7 |
| 207 | Nonlinear dynamics with higher-order modes in lithium niobate waveguide arrays. Applied Physics B: Lasers and Optics, 2011, 104, 487-493. | 2.2 | 4 |
| 208 | Time-reversal and nonlocal effects in PT -symmetric nonlinear lattices with balanced gain and loss. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 209 | Discrete quadratic solitons with competing second-harmonic components. Physical Review A, 2011, 84, | 2.5 | 4 |
| 210 | Slow-light enhanced forces between shifted photonic-crystal waveguides. , 2011, , . | | 0 |
| 211 | Realization of Reflectionless Potentials in Photonic Lattices. Physical Review Letters, 2011, 106, 193903. | 7.8 | 35 |
| 212 | Modulated nanowire couplers for ultrashort pulses. , 2011, , . | | 0 |
| 213 | Photon pair generation and quantum walks in arrays of quadratic nonlinear waveguides. , 2011, , . | | 0 |
| 214 | Nonlocal effects in waveguide arrays with PT -symmetric defects. , 2011, , . | | 0 |
| 215 | Unified approach for retrieval of effective parameters of metamaterials. Proceedings of SPIE, 2011, , . | 0.8 | 2 |
| 216 | Surface waves in two-dimensional modulated photonic lattices. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 217 | Spatio-temporal dynamics of laser pulses in lithium niobate waveguide arrays. , 2011, , . | | 0 |
| 218 | Nonlinear pulse transformation and phase transitions in LiNbO ₃ waveguide arrays. , 2011, , . | | 0 |
| 219 | Solitons in waveguide arrays with competing quadratic nonlinearities. , 2011, , . | | 0 |
| 220 | Optical phase transitions and quantum walks in nonlinear waveguide arrays. , 2011, , . | | 0 |
| 221 | Photon pair generation and quantum walks in quadratic nonlinear waveguide arrays. , 2011, , . | | 0 |
| 222 | Nonlinear evolution of laser pulses in lithium niobate waveguide arrays. , 2011, , . | | 0 |
| 223 | Complete spectral gap in coupled hollow metallic waveguides. , 2010, , . | | 0 |
| 224 | Phase transitions of nonlinear waves in lithium niobate waveguide arrays. , 2010, , . | | 0 |
| 225 | Raman Amplification and Tunable Pulse Delays in Silicon Waveguides. , 2010, , . | | 0 |
| 226 | Nonlinear surface waves in arrays of curved waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 62-66. | 2.0 | 3 |
| 227 | Cavity mode control in side-coupled periodic waveguides: Theory and experiment. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 310-317. | 2.0 | 9 |
| 228 | TaCoNa-Photonics 2009. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 209. | 2.0 | 0 |
| 229 | Phase Transition of Discrete Quadratic Solitons. , 2010, , . | | 0 |
| 230 | High efficiency harmonic generation in LiNbO ₃ membranes. , 2010, , . | | 0 |
| 231 | Light bullets in nonlinear periodically curved waveguide arrays. Physical Review A, 2010, 81, . | 2.5 | 19 |
| 232 | Phase Transitions of Nonlinear Waves in Quadratic Waveguide Arrays. Physical Review Letters, 2010, 105, 233905. | 7.8 | 19 |
| 233 | Complete spectral gap in coupled dielectric waveguides embedded into metal. Applied Physics Letters, 2010, 97, 021106. | 3.3 | 6 |
| 234 | Observation of Two-Dimensional Dynamic Localization of Light. Physical Review Letters, 2010, 104, 223903. | 7.8 | 89 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 235 | Combined frequency conversion and pulse compression in nonlinear tapered waveguides. , 2010, , . | | 0 |
| 236 | Nonlinear suppression of time reversals in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{-symmetric optical couplers. Physical Review A, 2010, 82, , .$ | 2.5 | 236 |
| 237 | Analytical study of pulse amplification in silicon Raman amplifiers. Optics Express, 2010, 18, 18324. | 3.4 | 9 |
| 238 | Paired modes of heterostructure cavities in photonic crystal waveguides with split band edges. Optics Express, 2010, 18, 25693. | 3.4 | 7 |
| 239 | Reflectionless potentials and cavities in waveguide arrays and coupled-resonator structures. Optics Letters, 2010, 35, 989. | 3.3 | 21 |
| 240 | Polychromatic solitons and symmetry breaking in curved waveguide arrays. Optics Letters, 2010, 35, 1371. | 3.3 | 8 |
| 241 | Binary parity-time-symmetric nonlinear lattices with balanced gain and loss. Optics Letters, 2010, 35, 2976. | 3.3 | 130 |
| 242 | Focusing-to-defocusing crossover in nonlinear periodic structures. Optics Letters, 2010, 35, 3213. | 3.3 | 2 |
| 243 | Lattice-controlled modulation instability in photorefractive feedback systems. Optics Letters, 2010, 35, 3568. | 3.3 | 4 |
| 244 | All-optical switching of dark states in nonlinear coupled microring resonators. Optics Letters, 2010, 35, 3712. | 3.3 | 16 |
| 245 | Coupling of cavities: the way to impose control over their modes. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 246 | Polarization Rotation in Silicon Waveguides: Analytical Modeling and Applications. IEEE Photonics Journal, 2010, 2, 423-435. | 2.0 | 6 |
| 247 | Coupled cavities and band-edge slow-light effects in periodic waveguides. , 2010, , . | | 1 |
| 248 | Spatial Switching of Slow Light in Periodic Photonic Structures. Springer Series in Optical Sciences, 2010, , 55-70. | 0.7 | 0 |
| 249 | Polychromatic Light Localisation in Periodic Structures. Springer Series in Optical Sciences, 2010, , 145-161. | 0.7 | 0 |
| 250 | Two-Dimensional Dynamic Localization of Light. , 2010, , . | | 0 |
| 251 | Observation of discrete reflectionless potentials. , 2010, , . | | 0 |
| 252 | Observation of Evanescent Modes in Slow Light Photonic Crystal Waveguides. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 253 | Polychromatic Solitons and Symmetry Breaking in Modulated Waveguide Arrays. , 2010, , . | | 0 |
| 254 | Multiband quadratic solitons in waveguide arrays. , 2010, , . | | 0 |
| 255 | Direct laser written couplers with shifted Bragg gratings. , 2010, , . | | 0 |
| 256 | Switching from Nonlinear Beam Focusing to Defocusing in Periodic Structures. , 2010, , . | | 0 |
| 257 | Anti-Fermi-Pasta-Ulam energy recursion in diatomic lattices at low energy densities. Physical Review B, 2009, 80, . | 3.2 | 16 |
| 258 | Reflectionless defects in coupled resonator waveguides. , 2009, , . | | 0 |
| 259 | Discrete reduced-symmetry solitons and second-band vortices in two-dimensional nonlinear waveguide arrays. Physical Review E, 2009, 80, 046604. | 2.1 | 7 |
| 260 | Beam oscillations and curling in chirped periodic structures with metamaterials. Physical Review A, 2009, 79, . | 2.5 | 13 |
| 261 | Mobile light bullets in curved waveguide arrays. , 2009, , . | | 0 |
| 262 | Interface Solitons in Electro-Optically Configurable Waveguide Arrays. , 2009, , . | | 0 |
| 263 | Spatial-spectral discrete vortex solitons in quadratic lattices. , 2009, , . | | 0 |
| 264 | Plasmonic Bloch oscillations in chirped metal-dielectric structures. Applied Physics Letters, 2009, 94, 161105. | 3.3 | 35 |
| 265 | Observation of slow-light dynamics in coupled periodic waveguides. , 2009, , . | | 0 |
| 266 | Nonlinear spectral demultiplexing in arrays of curved waveguides. , 2009, , . | | 0 |
| 267 | Polychromatic dynamic localization in curved photonic lattices. Nature Physics, 2009, 5, 271-275. | 16.7 | 143 |
| 268 | Control of cavity modes in coupled periodic waveguides. , 2009, , . | | 0 |
| 269 | Observation of two-dimensional nonlocal gap solitons. Optics Letters, 2009, 34, 295. | 3.3 | 61 |
| 270 | Spatial-spectral vortex solitons in quadratic lattices. Optics Letters, 2009, 34, 1168. | 3.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 271 | Observation of nonlinear surface waves in modulated waveguide arrays. Optics Letters, 2009, 34, 2751. | 3.3 | 10 |
| 272 | Bloch-mode extraction from near-field data in periodic waveguides. Optics Letters, 2009, 34, 3776. | 3.3 | 20 |
| 273 | Dispersion extraction with near-field measurements in periodic waveguides. Optics Express, 2009, 17, 3716. | 3.4 | 15 |
| 274 | Nonlinear surface waves in curved waveguide arrays. , 2009, , . | | 0 |
| 275 | Slow-light vortices in periodic waveguides. Journal of Optics, 2009, 11, 094016. | 1.5 | 18 |
| 276 | Nonlinear control of light in periodic photonic structures: From waveguides to cavities. , 2009, , . | | 0 |
| 277 | Slow-light vortices in periodic waveguides. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 278 | Shaping and switching of polychromatic light in arrays of periodically curved nonlinear waveguides. Open Physics, 2008, 6, . | 1.7 | 0 |
| 279 | Defect-Free Surface States in Modulated Photonic Lattices. Physical Review Letters, 2008, 100, 203904. | 7.8 | 44 |
| 280 | Defect-Free Surface Waves. Optics and Photonics News, 2008, 19, 26. | 0.5 | 1 |
| 281 | Nonlinear switching and reshaping of slow-light pulses in Bragg-grating couplers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, C15. | 2.1 | 15 |
| 282 | Slow-light dispersion in coupled periodic waveguides. Journal of the Optical Society of America B: Optical Physics, 2008, 25, C65. | 2.1 | 34 |
| 283 | Dispersionless tunneling of slow light in antisymmetric photonic crystal couplers. Optics Express, 2008, 16, 1104. | 3.4 | 29 |
| 284 | Bloch oscillations in chirped layered structures with metamaterials. Optics Express, 2008, 16, 3299. | 3.4 | 16 |
| 285 | Spatiotemporal control of light by Bloch-mode dispersion in multi-core fibers. Optics Express, 2008, 16, 5878. | 3.4 | 11 |
| 286 | Observation of polychromatic gap solitons. Optics Express, 2008, 16, 5991. | 3.4 | 5 |
| 287 | Shaping the colors of polychromatic light in femtosecond laser-written two-dimensional waveguide arrays. , 2008, , . | | 0 |
| 288 | Nonlocal gap soliton in liquid infiltrated photonic crystal fibres. , 2008, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 289 | Design tolerances of nonlinear Bragg-grating couplers optimised for all-optical slow-light switching. , 2008, , . | | 0 |
| 290 | Observation of novel surface waves in optical waveguide arrays. , 2008, , . | | 0 |
| 291 | Experimental observation of slow light tunneling in coupled periodic waveguides. , 2008, , . | | 0 |
| 292 | Spatiotemporal light localization in infiltrated waveguide arrays. , 2008, , . | | 0 |
| 293 | Observation of Defect-Free Surface Modes in Optical Waveguide Arrays. Physical Review Letters, 2008, 101, 203902. | 7.8 | 60 |
| 294 | Observation of diffraction-managed discrete solitons in curved waveguide arrays. Physical Review A, 2008, 78, . | 2.5 | 50 |
| 295 | Diffraction-managed solitons and nonlinear beam diffusion in modulated waveguide arrays. , 2008, , . | | 0 |
| 296 | Photonic crystal couplers for slow light. , 2008, , . | | 4 |
| 297 | Observation of Slow Light Tunneling in Coupled Periodic Waveguides. , 2008, , . | | 0 |
| 298 | A new type of surface waves in diffraction-managed optical waveguide arrays. , 2008, , . | | 0 |
| 299 | Reconstruction of Short Pulses via Transverse Second-Harmonic Generation in Disordered Media. , 2008, , . | | 0 |
| 300 | Transverse phase-matched second-harmonic generation from counterpropagating beams for characterising ultrashort pulses. , 2007, , . | | 0 |
| 301 | NONLINEAR OPTICS AND LIGHT LOCALIZATION IN PERIODIC PHOTONIC LATTICES. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 1-25. | 1.8 | 27 |
| 302 | All-optical switching of slow light in nonlinear Bragg grating coupler. , 2007, , . | | 0 |
| 303 | Supercontinuum spatial gap solitons. , 2007, , . | | 0 |
| 304 | Monitoring ultrashort pulses by transverse frequency doubling of counterpropagating pulses in random media. Applied Physics Letters, 2007, 91, . | 3.3 | 48 |
| 305 | Nonlinear Spectral-Spatial Control and Localization of Supercontinuum Radiation. Physical Review Letters, 2007, 99, 123901. | 7.8 | 28 |
| 306 | Broadband switching of polychromatic light in nonlinear waveguide couplers. , 2007, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 307 | Observation of polychromatic gap solitons generated by supercontinuum light. , 2007, , . | | 0 |
| 308 | Dispersionless tunneling of slow light in antisymmetric photonic-crystal couplers. , 2007, , . | | 0 |
| 309 | <title>Optical lattices as nonlinear photonic crystals</title>. , 2007, , . | | 1 |
| 310 | Pulse monitoring based on transverse SHG in periodic and disordered media. Proceedings of SPIE, 2007, , . | 0.8 | 1 |
| 311 | Observation of nonlinear self-trapping in triangular photonic lattices. Optics Letters, 2007, 32, 397. | 3.3 | 56 |
| 312 | Nonlinear directional coupler for polychromatic light. Optics Letters, 2007, 32, 475. | 3.3 | 13 |
| 313 | Slow-light switching in nonlinear Bragg-grating couplers. Optics Letters, 2007, 32, 1429. | 3.3 | 19 |
| 314 | Managing Light in Nonlinear Disordered Media. Optics and Photonics News, 2007, 18, 30. | 0.5 | 3 |
| 315 | Trapped Supercontinuum and Multi-Color Gap Solitons. Optics and Photonics News, 2007, 18, 41. | 0.5 | 5 |
| 316 | Nonlinear diffusion and beam self-trapping in diffraction-managed waveguide arrays. Optics Express, 2007, 15, 9547. | 3.4 | 22 |
| 317 | Diffraction control in periodically curved two-dimensional waveguide arrays. Optics Express, 2007, 15, 9737. | 3.4 | 47 |
| 318 | Shaping and control of polychromatic light in nonlinear photonic lattices. Optics Express, 2007, 15, 13058. | 3.4 | 21 |
| 319 | Slow light with flat or offset band edges in few-mode fiber with two gratings. Optics Express, 2007, 15, 17954. | 3.4 | 28 |
| 320 | All-optical switching of slow-light pulses in nonlinear Bragg grating couplers. , 2007, , . | | 0 |
| 321 | On a class of spatial discretizations of equations of the nonlinear Schrödinger type. Mathematics and Computers in Simulation, 2007, 74, 343-351. | 4.4 | 10 |
| 322 | Light localization in azimuthally modulated Bessel photonic lattices. Journal of Materials Science: Materials in Electronics, 2007, 18, 277-283. | 2.2 | 17 |
| 323 | Nonlinear diffusion and self-trapping of light in diffraction-managed photonic lattices. , 2007, , . | | 0 |
| 324 | Slow-Light Switching in Nonlinear Bragg-Grating Couplers. , 2007, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 325 | Polychromatic gap solitons and breathers in nonlinear waveguide arrays. , 2007, , . | | 0 |
| 326 | Discrete self-trapping vs. defocusing in nonlinear waveguide arrays. , 2006, , . | | 0 |
| 327 | Surface multi-gap solitons in nonlinear waveguide arrays. , 2006, , . | | 0 |
| 328 | Localization of light in Bessel photonic lattices. , 2006, , . | | 0 |
| 329 | Demonstration of all-optical beam steering in modulated photonic lattices. Optics Letters, 2006, 31, 1498. | 3.3 | 45 |
| 330 | Discrete surface solitons in semi-infinite binary waveguide arrays. Optics Letters, 2006, 31, 2332. | 3.3 | 56 |
| 331 | Polychromatic interface solitons in nonlinear photonic lattices. Optics Letters, 2006, 31, 3125. | 3.3 | 28 |
| 332 | Photonic Bloch Oscillations and Zener Tunnelling. Optics and Photonics News, 2006, 17, 22. | 0.5 | 4 |
| 333 | Molding Light in Two-Dimensional Photonic Lattices. Optics and Photonics News, 2006, 17, 38. | 0.5 | 0 |
| 334 | Crossover from self-defocusing to discrete trapping in nonlinear waveguide arrays. Optics Express, 2006, 14, 254. | 3.4 | 62 |
| 335 | Nonlinear Bloch modes in two-dimensional photonic lattices. Optics Express, 2006, 14, 1913. | 3.4 | 49 |
| 336 | Observation of light localization in modulated Bessel optical lattices. Optics Express, 2006, 14, 2825. | 3.4 | 46 |
| 337 | Surface multi-gap vector solitons. Optics Express, 2006, 14, 4780. | 3.4 | 50 |
| 338 | Self-trapping of polychromatic light in nonlinear periodic photonic structures. Optics Express, 2006, 14, 9873. | 3.4 | 23 |
| 339 | Polychromatic nonlinear surface modes generated by supercontinuum light. Optics Express, 2006, 14, 11265. | 3.4 | 31 |
| 340 | Discrete nonlinear Schrödinger equations free of the Peierlsâ€Nabarro potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 324-332. | 2.1 | 25 |
| 341 | Bloch Oscillations and Zener Tunneling in Two-Dimensional Photonic Lattices. Physical Review Letters, 2006, 96, 053903. | 7.8 | 247 |
| 342 | Wave scattering by metamaterial wedges and interfaces. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2006, 19, 105-117. | 1.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 343 | Soliton dynamics in deformable nonlinear lattices. <i>Physical Review E</i> , 2006, 74, 026606. | 2.1 | 3 |
| 344 | Slow-Light Optical Bullets in Arrays of Nonlinear Bragg-Grating Waveguides. <i>Physical Review Letters</i> , 2006, 97, 233901. | 7.8 | 38 |
| 345 | Enhanced Soliton Transport in Quasiperiodic Lattices with Introduced Aperiodicity. <i>Physical Review Letters</i> , 2006, 96, 113902. | 7.8 | 29 |
| 346 | Demonstration of optically controlled beam steering in dynamic photonic lattices. , 2006, , . | | 0 |
| 347 | Directional nonlinear wave transport in photonic lattices. , 2006, , . | | 0 |
| 348 | Light localization in Bessel photonic lattices. , 2006, , . | | 0 |
| 349 | Reduced-Symmetry Two-Dimensional Solitons in Photonic Lattices. <i>Physical Review Letters</i> , 2006, 96, 023905. | 7.8 | 71 |
| 350 | Broadband diffraction management and self-collimation of white light in photonic lattices. <i>Physical Review E</i> , 2006, 74, 066609. | 2.1 | 48 |
| 351 | Light localization in Bessel photonic lattices. , 2006, , . | | 0 |
| 352 | Slow light bullets in arrays of nonlinear Bragg-grating waveguides. , 2006, , . | | 1 |
| 353 | Localization of light in optically-induced modulated Bessel lattices. , 2006, , . | | 0 |
| 354 | Discrete and Gap Solitons in Triangular Photonic Lattices. , 2006, , . | | 0 |
| 355 | Soliton mobility in nonlinear lattices. , 2005, 5949, 211. | | 0 |
| 356 | Negative refraction in tunable periodic photonic structures. , 2005, , . | | 0 |
| 357 | One-dimensional periodic structures with complete spectral gap. , 2005, 6038, 200. | | 2 |
| 358 | Three-dimensional matter-wave vortices in optical lattices. <i>Physical Review A</i> , 2005, 72, . | 2.5 | 17 |
| 359 | Azimuthons: Spatially Modulated Vortex Solitons. <i>Physical Review Letters</i> , 2005, 95, 203904. | 7.8 | 158 |
| 360 | Soliton formation in square photonic lattice through combined effects of total internal and Bragg reflections. , 2005, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 361 | Multistep parametric processes in nonlinear optics. <i>Progress in Optics</i> , 2005, 47, 1-73. | 0.6 | 82 |
| 362 | Confinement of light in left-handed periodic structures. , 2005, , . | | 0 |
| 363 | Enhanced wave transport in nonlinear quasi-periodic lattices. , 2005, , . | | 0 |
| 364 | Asymmetric multiband coupling in one-dimensional nonlinear photonic crystals. , 2005, , . | | 0 |
| 365 | Optically-induced lattices as tunable nonlinear photonic crystals. , 2005, , . | | 0 |
| 366 | Spatial switching in modulated photonic lattices. , 2005, , . | | 0 |
| 367 | Incoherent multi-gap optical solitons in nonlinear photonic lattices. <i>Optics Express</i> , 2005, 13, 2916. | 3.4 | 17 |
| 368 | Discrete interband mutual focusing in nonlinear photonic lattices. <i>Optics Express</i> , 2005, 13, 5369. | 3.4 | 5 |
| 369 | Soliton control in modulated optically-induced photonic lattices. <i>Optics Express</i> , 2005, 13, 5704. | 3.4 | 26 |
| 370 | Soliton control and Bloch-wave filtering in periodic photonic lattices. <i>Optics Letters</i> , 2005, 30, 1849. | 3.3 | 25 |
| 371 | Tunable positive and negative refraction in optically induced photonic lattices. <i>Optics Letters</i> , 2005, 30, 2293. | 3.3 | 33 |
| 372 | Photonic Structures. <i>Optics and Photonics News</i> , 2005, 16, 36. | 0.5 | 38 |
| 373 | Solitons. <i>Optics and Photonics News</i> , 2005, 16, 43. | 0.5 | 0 |
| 374 | Coherence Controlled Soliton Interactions. <i>Physical Review Letters</i> , 2005, 94, 063904. | 7.8 | 55 |
| 375 | Complete Band Gaps in One-Dimensional Left-Handed Periodic Structures. <i>Physical Review Letters</i> , 2005, 95, 193903. | 7.8 | 110 |
| 376 | Soliton control in modulated optically-induced photonic lattices. , 2005, , . | | 0 |
| 377 | Polychromatic multigap solitons in nonlinear photonic lattices. , 2005, , . | | 1 |
| 378 | Tunable Negative Refraction in Nonlinear Photonic Lattices. , 2005, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 379 | Tunable Refraction in Nonlinear Optically-Induced Photonic Lattices. , 2005, , . | | 0 |
| 380 | Controlled Generation and Steering of Spatial Gap Solitons. Physical Review Letters, 2004, 93, 083905. | 7.8 | 101 |
| 381 | Asymmetric Vortex Solitons in Nonlinear Periodic Lattices. Physical Review Letters, 2004, 93, 063901. | 7.8 | 111 |
| 382 | Nonlinear Bloch-Wave Interaction and Bragg Scattering in Optically Induced Lattices. Physical Review Letters, 2004, 92, 093901. | 7.8 | 60 |
| 383 | Nonlinear surface waves in left-handed materials. Physical Review E, 2004, 69, 016617. | 2.1 | 278 |
| 384 | Bifurcations and stability of gap solitons in periodic potentials. Physical Review E, 2004, 70, 036618. | 2.1 | 144 |
| 385 | Observation of transverse instabilities in optically induced lattices. Optics Letters, 2004, 29, 259. | 3.3 | 9 |
| 386 | Observation of discrete gap solitons in binary waveguide arrays. Optics Letters, 2004, 29, 2890. | 3.3 | 59 |
| 387 | Dynamic band-gap solitons in nonlinear optically-induced lattices. , 2004, , . | | 1 |
| 388 | Soliton control in waveguide arrays through Bloch-wave engineering. , 2004, , . | | 0 |
| 389 | Observation of multi-gap vector solitons. , 2004, , . | | 0 |
| 390 | Observation of discrete gap solitons in binary waveguide arrays. , 2004, , . | | 0 |
| 391 | Gap solitons and mutual focusing in nonlinear periodic structures. , 2004, , . | | 0 |
| 392 | Beam shaping by a periodic structure with negative refraction. Applied Physics Letters, 2003, 82, 3820-3822. | 3.3 | 130 |
| 393 | Parametric vector solitons in tetragonal crystals. Optics Letters, 2003, 28, 828. | 3.3 | 2 |
| 394 | Multiport soliton devices with controllable transmission. Optics Letters, 2003, 28, 908. | 3.3 | 10 |
| 395 | Spatial optical solitons supported by mutual focusing. Optics Letters, 2003, 28, 1457. | 3.3 | 20 |
| 396 | Generation and stability of discrete gap solitons. Optics Letters, 2003, 28, 2345. | 3.3 | 69 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 397 | Guided modes in negative-refractive-index waveguides. <i>Physical Review E</i> , 2003, 67, 057602. | 2.1 | 333 |
| 398 | Spatial optical solitons in waveguide arrays. <i>IEEE Journal of Quantum Electronics</i> , 2003, 39, 31-50. | 1.9 | 191 |
| 399 | Multigap Discrete Vector Solitons. <i>Physical Review Letters</i> , 2003, 91, 113902. | 7.8 | 73 |
| 400 | Chaotic character of two-soliton collisions in the weakly perturbed nonlinear Schrödinger equation. <i>Physical Review E</i> , 2002, 66, 046609. | 2.1 | 27 |
| 401 | Spatial optical solitons in nonlinear photonic crystals. <i>Physical Review E</i> , 2002, 65, 036609. | 2.1 | 78 |
| 402 | SELF-WRITTEN WAVEGUIDES IN PHOTSENSITIVE MATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002, 11, 391-407. | 1.8 | 44 |
| 403 | Self-written waveguides in photopolymerizable resins. <i>Optics Letters</i> , 2002, 27, 185. | 3.3 | 74 |
| 404 | Discrete gap solitons in modulated waveguide arrays. <i>Optics Letters</i> , 2002, 27, 2112. | 3.3 | 112 |
| 405 | Nonlinear guided waves and spatial solitons in a periodic layered medium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 772. | 2.1 | 86 |
| 406 | Effect of weak discreteness on two-soliton collisions in nonlinear Schrödinger equation. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 136-138. | 2.7 | 9 |
| 407 | Intensity limits for stationary and interacting multi-soliton complexes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 305, 160-166. | 2.1 | 2 |
| 408 | Nonlinearity and disorder: Classification and stability of nonlinear impurity modes. <i>Physical Review E</i> , 2001, 63, 036601. | 2.1 | 28 |
| 409 | Nonlinear Localized Waves in a Periodic Medium. <i>Physical Review Letters</i> , 2001, 87, 083901. | 7.8 | 113 |
| 410 | Self-trapped optical beams: Spatial solitons. <i>Pramana - Journal of Physics</i> , 2001, 57, 1079-1095. | 1.8 | 5 |
| 411 | Multi-soliton complexes in a sea of radiation modes. <i>Optics Communications</i> , 2001, 195, 293-302. | 2.1 | 11 |
| 412 | Multistep cascading and fourth-harmonic generation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 281, 34-38. | 2.1 | 8 |
| 413 | Analytical Description of Quadratic Parametric Solitons. , 2001, , 111-114. | | 0 |
| 414 | Stability of Spatial Optical Solitons. <i>Springer Series in Optical Sciences</i> , 2001, , 211-245. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 415 | Nonlinear Impurity Modes in Homogeneous and Periodic Media. , 2001, , 279-289. | | 0 |
| 416 | <title>Multiwavelength and multicolor temporal and spatial optical solitons</title>. , 2000, 3927, 9. | | 0 |
| 417 | Multi-component optical solitary waves. Physica A: Statistical Mechanics and Its Applications, 2000, 288, 152-173. | 2.6 | 10 |
| 418 | Approximate solutions and scaling transformations for quadratic solitons. Physical Review E, 2000, 61, 4530-4539. | 2.1 | 16 |
| 419 | Multisoliton complexes on a background. Physical Review E, 2000, 61, 5893-5899. | 2.1 | 17 |
| 420 | Parametric localized modes in quadratic nonlinear photonic structures. Physical Review E, 2000, 63, 016615. | 2.1 | 49 |
| 421 | Two-color multistep cascading and parametric soliton-induced waveguides. Physical Review E, 1999, 60, R5056-R5059. | 2.1 | 28 |
| 422 | Two-color nonlinear localized photonic modes. Physical Review E, 1999, 60, R41-R44. | 2.1 | 27 |
| 423 | Coherent and Incoherent Contributions to Multisoliton Complexes. Physical Review Letters, 1999, 83, 4736-4739. | 7.8 | 66 |
| 424 | Two-Color Nonlinear Localized Modes in Photonic Crystals. Optics and Photonics News, 1999, 10, 34. | 0.5 | 4 |
| 425 | On Parametric Coupled Solitons with High-Order Dispersion. , 1999, , 235-238. | | 0 |
| 426 | <title>Focused optical and acoustic beams in media with nonlinear absorption</title>. , 1996, , . | | 0 |
| 427 | Guest Editorial for APL Special Topic on Synthetic Gauge Field Photonics. APL Photonics, 0, , . | 5.7 | 1 |