

# Carel Martijn de Sterke

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

294  
papers

9,434  
citations

49  
h-index

84  
g-index

382  
ext. papers

11,386  
ext. citations

3.3  
avg, IF

6.01  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 294 | Dark solitons under higher-order dispersion.. <i>Optics Letters</i> , <b>2022</b> , 47, 1174-1177  | 3    | 1         |
| 293 | Spectrally periodic pulses for enhancement of optical nonlinear effects. <i>Nature Physics</i> , <b>2022</b> , 18, 59-66   | 16.2 | 2         |
| 292 | Absence of Galilean invariance for pure-quartic solitons. <i>Physical Review A</i> , <b>2021</b> , 104,  | 2.6  | 3         |
| 291 | Complete Electromagnetic Dyadic Green Function Characterization in a Complex Environment<br>Resonant Dipole-Dipole Interaction and Cooperative Effects. <i>Physical Review X</i> , <b>2021</b> , 11, | 9.1  | 2         |
| 290 | Shortcuts to adiabaticity in waveguide couplers<br>Theory and implementation. <i>Advances in Physics: X</i> , <b>2021</b> , 6, 1894978   | 5.1  | 2         |
| 289 | Infinite hierarchy of solitons: Interaction of Kerr nonlinearity with even orders of dispersion.<br><i>Physical Review Research</i> , <b>2021</b> , 3,   | 3.9  | 7         |
| 288 | Pure-quartic solitons and their generalizations<br>Theory and experiments. <i>APL Photonics</i> , <b>2021</b> , 6, 091101  | 5.2  | 3         |
| 287 | Modular nonlinear hybrid plasmonic circuit. <i>Nature Communications</i> , <b>2020</b> , 11, 2413  | 17.4 | 20        |
| 286 | Self-similar propagation of optical pulses in fibers with positive quartic dispersion. <i>Optics Letters</i> , <b>2020</b> , 45, 3365-3368   | 3    | 6         |
| 285 | Establishing the nonlinear coefficient for extremely lossy waveguides. <i>Optics Letters</i> , <b>2020</b> , 45, 5041-5044   | 3.4  | 2         |
| 284 | Omnidirectional field enhancements drive giant nonlinearities in epsilon-near-zero waveguides.<br><i>Optics Letters</i> , <b>2020</b> , 45, 6514-6517  | 3    | 2         |
| 283 | On-Chip Hybrid Plasmonics Goes Modular. <i>Optics and Photonics News</i> , <b>2020</b> , 31, 39  | 1.9  |           |
| 282 | The pure-quartic soliton laser. <i>Nature Photonics</i> , <b>2020</b> , 14, 492-497  | 33.9 | 31        |
| 281 | Pulse length dependent near-infrared ultrafast nonlinearity of gold by self-phase modulation.<br><i>Applied Physics Letters</i> , <b>2020</b> , 117, 071105  | 3.4  | 2         |
| 280 | Generalized dispersion Kerr solitons. <i>Physical Review A</i> , <b>2020</b> , 101,  | 2.6  | 17        |
| 279 | A 90-nm-thick graphene metamaterial for strong and extremely broadband absorption of unpolarized light. <i>Nature Photonics</i> , <b>2019</b> , 13, 270-276  | 33.9 | 202       |
| 278 | Direct Imaging of the Energy-Transfer Enhancement between Two Dipoles in a Photonic Cavity.<br><i>Physical Review X</i> , <b>2019</b> , 9,   | 9.1  | 12        |

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|-----|---|-----|----|
| 277 | Two-dimensional plasmonic waveguides for nanolasing and four-wave mixing. <i>New Journal of Physics</i> , <b>2019</b> , 21, 103004  | 2.9 | 1  |
| 276 | Simple model for orthogonal and angled coupling in dielectric-plasmonic waveguides. <i>Optics Express</i> , <b>2019</b> , 27, 20444-20455   | 3.3 | 2  |
| 275 | Stimulated Brillouin scattering in layered media: nanoscale enhancement of silicon. <i>Optics Letters</i> , <b>2019</b> , 44, 1407-1410   | 3   | 1  |
| 274 | Stationary and dynamical properties of pure-quartic solitons. <i>Optics Letters</i> , <b>2019</b> , 44, 3306-3309   | 3   | 19 |
| 273 | Insights from a systematic study of crosstalk in adiabatic couplers. <i>OSA Continuum</i> , <b>2019</b> , 2, 629  | 1.4 | 3  |
| 272 | Fundamental Limitations to the Ultimate Kerr Nonlinear Performance of Plasmonic Waveguides. <i>ACS Photonics</i> , <b>2018</b> , 5, 1034-1040   | 6.3 | 14 |
| 271 | Analysis and design of fibers for pure-quartic solitons. <i>Optics Express</i> , <b>2018</b> , 26, 7786-7796  | 3.3 | 15 |
| 270 | A theory of waveguide design for plasmonic nanolasers. <i>Nanoscale</i> , <b>2018</b> , 10, 21434-21440   | 7.7 | 3  |
| 269 | Doubly Enhanced Second Harmonic Generation through Structural and Epsilon-near-Zero Resonances in TiN Nanostructures. <i>ACS Photonics</i> , <b>2018</b> , 5, 2087-2093                         | 6.3 | 29 |
| 268 | Stacked wire media slabs: general theory with application to metamaterial hyperlenses. <i>Waves in Random and Complex Media</i> , <b>2017</b> , 27, 732-750                                     | 1.9 |    |
| 267 | Enhanced acousto-optic properties in layered media. <i>Physical Review B</i> , <b>2017</b> , 96,  | 3.3 | 5  |
| 266 | Dispersion control in coated wire media slabs. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 472  | 1.7 | 1  |
| 265 | High-energy ultra-short pulses from pure-quartic solitons <b>2017</b> ,   |     | 2  |
| 264 | Analysis of the modification of four-wave mixing phase matching by stimulated Brillouin scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 516 | 1.7 | 1  |
| 263 | General analytic expression and numerical approach for the Kerr nonlinear coefficient of optical waveguides. <i>Optics Letters</i> , <b>2017</b> , 42, 1329-1332                                | 3   | 9  |
| 262 | Measurement and simulation of the polarization-dependent Purcell factor in a microwave fishnet metamaterial. <i>Physical Review B</i> , <b>2017</b> , 95,                                       | 3.3 | 12 |
| 261 | Artificial electrostriction in composite materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 1573  | 1.7 | 3  |
| 260 | EMUstack: An open source route to insightful electromagnetic computation via the Bloch mode scattering matrix method. <i>Computer Physics Communications</i> , <b>2016</b> , 202, 276-286       | 4.2 | 8  |

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| 259 | Pure-quartic solitons. <i>Nature Communications</i> , <b>2016</b> , 7, 10427   | 17.4 | 79 |
| 258 | Performance Comparison of Kerr Nonlinear Plasmonic Waveguide Configurations <b>2016</b> ,  |      | 2  |
| 257 | Sensitive method for measuring third order nonlinearities in compact dielectric and hybrid plasmonic waveguides. <i>Optics Express</i> , <b>2016</b> , 24, 545-54                                  | 3.3  | 14 |
| 256 | Stimulated Brillouin scattering in metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 2162   | 1.7  | 11 |
| 255 | Figure of merit for Kerr nonlinear plasmonic waveguides. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 639-646  | 8.3  | 24 |
| 254 | Total absorption of visible light in ultrathin weakly absorbing semiconductor gratings. <i>Optica</i> , <b>2016</b> , 3, 556   | 8.6  | 29 |
| 253 | Kerr effect in hybrid plasmonic waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 957  | 1.7  | 9  |
| 252 | End-fire coupling efficiencies of surface plasmons for silver, gold, and plasmonic nitride compounds. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 1044 | 1.7  | 5  |
| 251 | New avenues for phase matching in nonlinear hyperbolic metamaterials. <i>Scientific Reports</i> , <b>2015</b> , 5, 8983  | 4.9  | 28 |
| 250 | Light absorption mechanism in organic solar cells with hexagonal lattice nanohole aluminum transparent electrodes. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 085901            | 1.7  | 5  |
| 249 | Electrostriction enhancement in metamaterials. <i>Physical Review B</i> , <b>2015</b> , 91,  | 3.3  | 16 |
| 248 | Efficient end-fire coupling of surface plasmons in a metal waveguide. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2015</b> , 32, 412                                  | 1.7  | 11 |
| 247 | Guided modes of a wire medium slab: Comparison of effective medium approaches with exact calculations. <i>Physical Review B</i> , <b>2015</b> , 91,  | 3.3  | 5  |
| 246 | Fano resonances of dielectric gratings: symmetries and broadband filtering. <i>Optics Express</i> , <b>2015</b> , 23, A1672-86   | 3.3  | 23 |
| 245 | Phase matching in hyperbolic wire media for nonlinear frequency conversion. <i>Optics Express</i> , <b>2015</b> , 23, 33733-40   | 3.3  | 1  |
| 244 | Optimizing Photovoltaic Charge Generation of Nanowire Arrays: A Simple Semi-Analytic Approach. <i>ACS Photonics</i> , <b>2014</b> , 1, 683-689   | 6.3  | 27 |
| 243 | High-Q Defect-Free 2D Photonic Crystal Cavity from Random Localised Disorder. <i>Crystals</i> , <b>2014</b> , 4, 342-350   |      | 1  |
| 242 | Effective photons in weakly absorptive dielectric media and the Beer-Lambert-Bouguer law. <i>New Journal of Physics</i> , <b>2014</b> , 16, 043028   | 2.9  | 2  |

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| 241 | Imaging performance of finite uniaxial metamaterials with large anisotropy. <i>Optics Letters</i> , <b>2014</b> , 39, 3286-9   | 3    | 12 |
| 240 | Mode-based analysis of silicon nanohole arrays for photovoltaic applications. <i>Optics Express</i> , <b>2014</b> , 22 Suppl 5, A1343-54                                 | 3.3  | 18 |
| 239 | Reconfigurable, defect-free, ultrahigh-Q photonic crystal microcavities for sensing. <i>Sensors</i> , <b>2013</b> , 13, 3262-9   | 3.8  | 5  |
| 238 | Spontaneous symmetry breaking in a double-defect nonlinear grating. <i>Physical Review A</i> , <b>2013</b> , 88,   | 2.6  | 8  |
| 237 | Coherent perfect absorption and reflection in slow-light waveguides. <i>Optics Letters</i> , <b>2013</b> , 38, 4970-3  | 3    | 19 |
| 236 | Modeling photonic crystal interfaces and stacks: impedance-based approaches. <i>Advances in Optics and Photonics</i> , <b>2013</b> , 5, 385                              | 16.7 | 15 |
| 235 | Degenerate band edge resonances in coupled periodic silicon optical waveguides. <i>Optics Express</i> , <b>2013</b> , 21, 8736-45  | 3.3  | 26 |
| 234 | Absorption enhancing proximity effects in aperiodic nanowire arrays. <i>Optics Express</i> , <b>2013</b> , 21 Suppl 6, A964-9  | 3.3  | 13 |
| 233 | Understanding the contribution of mode area and slow light to the effective Kerr nonlinearity of waveguides. <i>Optics Express</i> , <b>2013</b> , 21, 18558-71          | 3.3  | 22 |
| 232 | Cavity Optical Pulse Extraction: ultra-short pulse generation as seeded Hawking radiation. <i>Scientific Reports</i> , <b>2013</b> , 3, 2607                             | 4.9  | 4  |
| 231 | Bistability suppression and low threshold switching using frozen light at a degenerate band edge waveguide. <i>Optics Express</i> , <b>2012</b> , 20, 27363-8            | 3.3  | 8  |
| 230 | Double-heterostructure cavities: From theory to design. <i>Physical Review A</i> , <b>2012</b> , 86,   | 2.6  | 1  |
| 229 | Semi-analytic method for slow light photonic crystal waveguide design. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2012</b> , 10, 478-484   | 2.6  | 5  |
| 228 | Supermodes of hexagonal lattice waveguide arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 1338                           | 1.7  | 1  |
| 227 | Frozen and broadband slow light in coupled periodic nanowire waveguides. <i>Optics Express</i> , <b>2012</b> , 20, 3519-28   | 3.3  | 18 |
| 226 | First-principles method for high-Q photonic crystal cavity mode calculations. <i>Optics Express</i> , <b>2012</b> , 20, 22763-9  | 3.3  | 1  |
| 225 | Switching and dynamic wavelength conversion in a fiber grating cavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 155       | 1.7  | 4  |
| 224 | Slow and frozen light in optical waveguides with multiple gratings: Degenerate band edges and stationary inflection points. <i>Physical Review A</i> , <b>2012</b> , 85, | 2.6  | 28 |

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| 223 | A flexible Bloch mode method for computing complex band structures and impedances of two-dimensional photonic crystals. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 013105   | 2.5 | 3   |
| 222 | Nanowire array photovoltaics: Radial disorder versus design for optimal efficiency. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 173902  | 3.4 | 34  |
| 221 | Generalized exact dynamic localization in curved coupled optical waveguide arrays. <i>Physical Review Letters</i> , <b>2012</b> , 109, 103901   | 7.4 | 14  |
| 220 | Modal formulation for diffraction by absorbing photonic crystal slabs. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2012</b> , 29, 817-31  | 1.8 | 36  |
| 219 | Folded bands in metamaterial photonic crystals. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053007  | 2.9 | 9   |
| 218 | Slow-light and evanescent modes at interfaces in photonic crystal waveguides: optimal extraction from experimental near-field measurements. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 955 | 1.7 | 11  |
| 217 | Modal analysis of enhanced absorption in silicon nanowire arrays. <i>Optics Express</i> , <b>2011</b> , 19 Suppl 5, A1067-81  | 3.8 | 108 |
| 216 | Bragg grating-based optical switching in a bismuth-oxide fiber with strong $\chi^{(2)}$ -nonlinearity. <i>Optics Express</i> , <b>2011</b> , 19, 5868-73  | 3.3 | 11  |
| 215 | Highly-efficient, octave spanning soliton self-frequency shift using a specialized photonic crystal fiber with low OH loss. <i>Optics Express</i> , <b>2011</b> , 19, 17766-73  | 3.3 | 34  |
| 214 | Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. <i>Optics Letters</i> , <b>2011</b> , 36, 1170-2   | 3   | 22  |
| 213 | Degenerate band edges in optical fiber with multiple grating: efficient coupling to slow light. <i>Optics Letters</i> , <b>2011</b> , 36, 3257-9  | 3   | 9   |
| 212 | Soliton mediated optical quantization in the transmission of one-dimensional photonic crystals. <i>Optics Express</i> , <b>2010</b> , 18, 12708-18  | 3.3 | 4   |
| 211 | Soliton self-frequency shift performance in As(2)S(3) waveguides. <i>Optics Express</i> , <b>2010</b> , 18, 14960-8   | 3.3 | 23  |
| 210 | Design of ultrahigh-Q photoinduced cavities in defect-free photonic crystal slabs. <i>Optics Express</i> , <b>2010</b> , 18, 21397-403  | 3.3 | 6   |
| 209 | Coupled waveguide modes in hexagonal photonic crystals. <i>Optics Express</i> , <b>2010</b> , 18, 25346-60  | 3.3 | 4   |
| 208 | Solid-core fiber with ultra-wide bandwidth transmission window due to inhibited coupling. <i>Optics Express</i> , <b>2010</b> , 18, 25556-66  | 3.3 | 17  |
| 207 | Blazing evanescent grating orders: a spectral approach to beating the Rayleigh limit. <i>Optics Letters</i> , <b>2010</b> , 35, 2846-8  | 3   | 2   |
| 206 | Performance of field-enhanced optical switching in fiber Bragg gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 1343   | 1.7 | 11  |

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| 205 | Theory of dispersive wave frequency shift via trapping by a soliton in an axially nonuniform optical fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2195 | 1.7 | 29 |
| 204 | Stacked dielectric gratings for sub-wavelength surface field synthesis. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2580                                     | 1.7 | 1  |
| 203 | Bistable switching and reshaping of optical pulses in a Bragg grating cavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2648                               | 1.7 | 15 |
| 202 | Picoseconds all-optical switch and pulse re-shaper based in a bistable Bragg grating cavity <b>2010</b> ,  |     | 2  |
| 201 | Photonic-crystal surface modes found from impedances. <i>Physical Review A</i> , <b>2010</b> , 82,   | 2.6 | 26 |
| 200 | Collisions and turbulence in optical rogue wave formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 989-996                                       | 2.3 | 82 |
| 199 | Quasi-BLOCH oscillations in curved coupled optical waveguides. <i>Physical Review Letters</i> , <b>2009</b> , 103, 143901  | 2.1 | 31 |
| 198 | Fundamental limit for two-dimensional passive devices. <i>Optics Letters</i> , <b>2009</b> , 34, 779-81  | 3   | 5  |
| 197 | Bloch-mode extraction from near-field data in periodic waveguides. <i>Optics Letters</i> , <b>2009</b> , 34, 3776-8  | 3   | 17 |
| 196 | Modal method for conical diffraction by slanted lamellar gratings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2009</b> , 26, 938-48                   | 1.8 | 5  |
| 195 | Modelling of photonic crystal fiber based on layered inclusions. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, 1852  | 1.7 | 5  |
| 194 | Optimization of the soliton self-frequency shift in a tapered photonic crystal fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, 2064                       | 1.7 | 49 |
| 193 | Flexible design of ultrahigh-Q microcavities in diamond-based photonic crystal slabs. <i>Optics Express</i> , <b>2009</b> , 17, 6465-75  | 3.3 | 48 |
| 192 | Comparison of the sensitivity of air and dielectric modes in photonic crystal slab sensors. <i>Optics Express</i> , <b>2009</b> , 17, 14552-7  | 3.3 | 14 |
| 191 | Efficient coupling into slow light photonic crystal waveguide without transition region: role of evanescent modes. <i>Optics Express</i> , <b>2009</b> , 17, 17338-43                                    | 3.3 | 31 |
| 190 | Modes of symmetric composite defects in two-dimensional photonic crystals. <i>Physical Review A</i> , <b>2009</b> , 80,  | 2.6 | 3  |
| 189 | Single and coupled degenerate defect modes in two-dimensional photonic crystal band gaps. <i>Physical Review A</i> , <b>2009</b> , 79,   | 2.6 | 15 |
| 188 | Impedance of square and triangular lattice photonic crystals. <i>Physical Review A</i> , <b>2009</b> , 80,   | 2.6 | 23 |

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| 187 | Efficient slow-light coupling in a photonic crystal waveguide without transition region. <i>Optics Letters</i> , <b>2008</b> , 33, 2644-6  | 3   | 31 |
| 186 | Modal method for classical diffraction by slanted lamellar gratings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2008</b> , 25, 2415-26          | 1.8 | 12 |
| 185 | Nonlinear switching using long-period gratings in As <sub>2</sub> Se <sub>3</sub> chalcogenide fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2008</b> , 25, 1393 | 1.7 | 11 |
| 184 | Multi-order dispersion engineering for optimal four-wave mixing. <i>Optics Express</i> , <b>2008</b> , 16, 7551-63   | 3.3 | 24 |
| 183 | Oscillations of the soliton parameters in nonlinear interference phenomena. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2008</b> , 372, 1856-1861              | 2.3 | 3  |
| 182 | Shallow defect states in two-dimensional photonic crystals. <i>Physical Review A</i> , <b>2008</b> , 77,   | 2.6 | 14 |
| 181 | Antireflection coatings for two-dimensional photonic crystals using a rigorous impedance definition. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 121114                                     | 3.4 | 32 |
| 180 | Gap-soliton trapping in random one-dimensional gratings. <i>Physical Review A</i> , <b>2008</b> , 78,  | 2.6 | 2  |
| 179 | Nonlinear long-period gratings in As <sub>2</sub> Se <sub>3</sub> chalcogenide fiber for all-optical switching. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 101127                          | 3.4 | 12 |
| 178 | All-optical regeneration based on a nonlinear long period grating. <i>Optics Communications</i> , <b>2008</b> , 281, 1280-1285   | 2   | 3  |
| 177 | Fresnel formulation for multi-element lamellar diffraction gratings in conical mountings. <i>Waves in Random and Complex Media</i> , <b>2007</b> , 17, 455-475                                     | 1.9 | 4  |
| 176 | Generalisation of the transfer matrix formulation of the theory of electron and photon conductance. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 394, 320-324                                | 2.8 | 6  |
| 175 | Dispersionless slow light with 5-pulse-width delay in fibre Bragg grating. <i>Electronics Letters</i> , <b>2007</b> , 43, 1418   | 1.1 | 10 |
| 174 | Theoretical analysis of the self-frequency shift near zero-dispersion points: Soliton spectral tunneling. <i>Physical Review A</i> , <b>2007</b> , 76,   | 2.6 | 37 |
| 173 | High-Q cavities in photosensitive photonic crystals. <i>Optics Letters</i> , <b>2007</b> , 32, 542-4   | 3   | 39 |
| 172 | Tunable spectral enhancement of fiber supercontinuum. <i>Optics Letters</i> , <b>2007</b> , 32, 1644-6   | 3   | 12 |
| 171 | Editorial. <i>Optics Express</i> , <b>2007</b> , 15, 1   | 3.3 | 11 |
| 170 | Exact dynamic localization in curved AlGaAs optical waveguide arrays. <i>Optics Express</i> , <b>2007</b> , 15, 3212-23  | 3.3 | 93 |



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| 169 | Dispersion engineering of highly nonlinear As(2)S(3) waveguides for parametric gain and wavelength conversion. <i>Optics Express</i> , <b>2007</b> , 15, 9458-63 | 3.3 | 71 |
| 168 | Efficient slow light coupling into photonic crystals. <i>Optics Express</i> , <b>2007</b> , 15, 10984-90   | 3.3 | 21 |
| 167 | Slow light with flat or offset band edges in few-mode fiber with two gratings. <i>Optics Express</i> , <b>2007</b> , 15, 17954-9                                 | 3.3 | 24 |
| 166 | Dispersionless Slow Light with 5-Pulse-Width Delay in a Long Fibre Bragg Grating <b>2007</b> ,   |     | 1  |
| 165 | Spontaneous emission and photon dynamics in dielectric microcavities. <i>Physical Review A</i> , <b>2006</b> , 74,   | 2.6 | 11 |
| 164 | Wide-angle coupling into rod-type photonic crystals with ultralow reflectance. <i>Physical Review E</i> , <b>2006</b> , 74, 026603                               | 2.4 | 10 |
| 163 | Spontaneous emission suppression via quantum path interference in coupled microcavities. <i>Physical Review Letters</i> , <b>2006</b> , 96, 103902               | 7.4 | 13 |
| 162 | Slow light in nonlinear fibre Bragg gratings <b>2006</b> ,   |     | 1  |
| 161 | Fano resonances of photonic crystal slabs <b>2006</b> ,  |     | 2  |
| 160 | Frequency shift of sources embedded in finite two-dimensional photonic clusters. <i>Waves in Random and Complex Media</i> , <b>2006</b> , 16, 151-165            | 1.9 | 11 |
| 159 | Dynamics of ultrashort pulses near zero dispersion wavelength. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 2425      | 1.7 | 33 |
| 158 | Supermodes in multiple coupled photonic crystal waveguides. <i>Optics Express</i> , <b>2006</b> , 14, 387-96   | 3.3 | 6  |
| 157 | Diamond based photonic crystal microcavities. <i>Optics Express</i> , <b>2006</b> , 14, 3556-62  | 3.3 | 77 |
| 156 | Single scatterer Fano resonances in solid core photonic band gap fibers. <i>Optics Express</i> , <b>2006</b> , 14, 8797-8111                                     | 3.3 | 25 |
| 155 | Sampled Bragg gratings in chalcogenide (As(2)S(3)) rib-waveguides. <i>Optics Express</i> , <b>2006</b> , 14, 9451-9  | 3.3 | 26 |
| 154 | Delay-tunable gap-soliton-based slow-light system. <i>Optics Express</i> , <b>2006</b> , 14, 11987-96  | 3.3 | 27 |
| 153 | Dispersive wave blue-shift in supercontinuum generation. <i>Optics Express</i> , <b>2006</b> , 14, 11997-2007  | 3.3 | 69 |
| 152 | Manipulation of spontaneous emission in a tapered photonic crystal fibre. <i>Optics Express</i> , <b>2006</b> , 14, 12439-44                                     | 3.3 | 10 |

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| 151 | Design of high-Q cavities in photonic crystal slab heterostructures by air-holes infiltration. <i>Optics Express</i> , <b>2006</b> , 14, 12451-6   | 3.3  | 49  |
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