# Anna C Peacock

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3324897/publications.pdf

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| | | 94381 | 106281 |
|---|---|---|---|
| 173 | 4,697 | 37 | 65 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 177 | 177 | 177 | 3275 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Exact Self-Similar Solutions of the Generalized Nonlinear SchrÃ¶dinger Equation with Distributed Coefficients. Physical Review Letters, 2003, 90, 113902. | 2.9 | 476 |
| 2 | Self-similar propagation of parabolic pulses in normal-dispersion fiber amplifiers. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 461. | 0.9 | 255 |
| 3 | Self-similar propagation of high-power parabolic pulses in optical fiber amplifiers. Optics Letters, 2000, 25, 1753. | 1.7 | 222 |
| 4 | High-speed detection at two micrometres with monolithic silicon photodiodes. Nature Photonics, 2015, 9, 393-396. | 15.6 | 192 |
| 5 | Exact solutions of the generalized nonlinear SchrÃ¶dinger equation with distributed coefficients. Physical Review E, 2005, 71, 056619. | 0.8 | 160 |
| 6 | Roadmap on all-optical processing. Journal of Optics (United Kingdom), 2019, 21, 063001. | 1.0 | 128 |
| 7 | Zinc Selenide Optical Fibers. Advanced Materials, 2011, 23, 1647-1651. | 11.1 | 108 |
| 8 | Integration of gigahertz-bandwidth semiconductor devices inside microstructured optical fibres. Nature Photonics, 2012, 6, 174-179. | 15.6 | 107 |
| 9 | Silicon-Based Photonic Integration Beyond the Telecommunication Wavelength Range. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 394-404. | 1.9 | 106 |
| 10 | Surfaceâ€Enhanced Raman Scattering Using Microstructured Optical Fiber Substrates. Advanced Functional Materials, 2007, 17, 2024-2030. | 7.8 | 97 |
| 11 | Extreme electronic bandgap modification in laser-crystallized silicon optical fibres. Nature Materials, 2014, 13, 1122-1127. | 13.3 | 94 |
| 12 | Laser recrystallization and inscription of compositional microstructures in crystalline SiGe-core fibres. Nature Communications, 2016, 7, 13265. | 5.8 | 91 |
| 13 | Silver Nanoparticle Impregnated Polycarbonate Substrates for Surface Enhanced Raman Spectroscopy. Advanced Functional Materials, 2008, 18, 1265-1271. | 7.8 | 89 |
| 14 | CO<sub>2</sub> Laserâ€Induced Directional Recrystallization to Produce Single Crystal Siliconâ€Core Optical Fibers with Low Loss. Advanced Optical Materials, 2016, 4, 1004-1008. | 3.6 | 87 |
| 15 | Germanium Mid-Infrared Photonic Devices. Journal of Lightwave Technology, 2017, 35, 624-630. | 2.7 | 76 |
| 16 | Low loss silicon fibers for photonics applications. Applied Physics Letters, 2010, 96, 041105. | 1.5 | 75 |
| 17 | Mid-infrared all-optical modulation in low-loss germanium-on-silicon waveguides. Optics Letters, 2015, 40, 268. | 1.7 | 74 |
| 18 | Semiconductor optical fibres: progress and opportunities. Laser and Photonics Reviews, 2014, 8, 53-72. | 4.4 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nonlinear transmission properties of hydrogenated amorphous silicon core optical fibers. Optics Express, 2010, 18, 16826. | 1.7 | 65 |
| 20 | Silicon-based heterogeneous photonic integrated circuits for the mid-infrared. Optical Materials Express, 2013, 3, 1523. | 1.6 | 65 |
| 21 | Perspective: Molten core optical fiber fabricationâ€”A route to new materials and applications. APL Photonics, 2018, 3, 120903. | 3.0 | 64 |
| 22 | Recent advances in supercontinuum generation in specialty optical fibers [Invited]. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F90. | 0.9 | 59 |
| 23 | Confined High-Pressure Chemical Deposition of Hydrogenated Amorphous Silicon. Journal of the American Chemical Society, 2012, 134, 19-22. | 6.6 | 56 |
| 24 | Ultrafast optical control using the Kerr nonlinearity in hydrogenated amorphous silicon microcylindrical resonators. Scientific Reports, 2013, 3, 2885. | 1.6 | 54 |
| 25 | Harmonic generation in a two-dimensional nonlinear quasi-crystal. Optics Letters, 2005, 30, 424. | 1.7 | 53 |
| 26 | Ion Implantation in Silicon for Trimming the Operating Wavelength of Ring Resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7. | 1.9 | 53 |
| 27 | Solitary pulse propagation in high gain optical fiber amplifiers with normal group velocity dispersion. Optics Communications, 2002, 206, 171-177. | 1.0 | 52 |
| 28 | All-optical modulation using two-photon absorption in silicon core optical fibers. Optics Express, 2011, 19, 19078. | 1.7 | 51 |
| 29 | Tapered polysilicon core fibers for nonlinear photonics. Optics Letters, 2016, 41, 1360. | 1.7 | 51 |
| 30 | Guided modes in channel waveguides with a negative index of refraction. Optics Express, 2003, 11, 2502. | 1.7 | 48 |
| 31 | Optical detection and modulation at 2Âµm-25Âµm in silicon. Optics Express, 2014, 22, 10825. | 1.7 | 48 |
| 32 | Tapered silicon core fibers with nano-spikes for optical coupling via spliced silica fibers. Optics Express, 2017, 25, 24157. | 1.7 | 44 |
| 33 | Soliton propagation in tapered silicon core fibers. Optics Letters, 2010, 35, 3697. | 1.7 | 43 |
| 34 | Enhanced all-optical modulation in a graphene-coated fibre with low insertion loss. Scientific Reports, 2016, 6, 23512. | 1.6 | 43 |
| 35 | Four-wave mixing and octave-spanning supercontinuum generation in a small core hydrogenated amorphous silicon fiber pumped in the mid-infrared. Optics Letters, 2014, 39, 5721. | 1.7 | 42 |
| 36 | Mid-infrared transmission properties of amorphous germanium optical fibers. Applied Physics Letters, 2010, 97, . | 1.5 | 40 |

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|---|---|---|---|
| 37 | Silicon optical fibres â€“ past, present, and future. Advances in Physics: X, 2016, 1, 114-127. | 1.5 | 38 |
| 38 | Material properties of tapered crystalline silicon core fibers. Optical Materials Express, 2017, 7, 2055. | 1.6 | 38 |
| 39 | Nonlinear transmission properties of hydrogenated amorphous silicon core fibers towards the mid-infrared regime. Optics Express, 2013, 21, 13075. | 1.7 | 37 |
| 40 | Tapered silicon optical fibers. Optics Express, 2010, 18, 7596. | 1.7 | 36 |
| 41 | Low-loss silicon core fibre platform for mid-infrared nonlinear photonics. Light: Science and Applications, 2019, 8, 105. | 7.7 | 36 |
| 42 | Large mode area silicon microstructured fiber with robust dual mode guidance. Optics Express, 2009, 17, 18076. | 1.7 | 35 |
| 43 | Wavelength Conversion and Supercontinuum Generation in Silicon Optical Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9. | 1.9 | 35 |
| 44 | Crystalline Silicon Optical Fibers with Low Optical Loss. ACS Photonics, 2016, 3, 378-384. | 3.2 | 34 |
| 45 | Kerr nonlinear switching in a hybrid silica-silicon microspherical resonator. Optics Express, 2015, 23, 17263. | 1.7 | 32 |
| 46 | Ultrafast wavelength conversion via cross-phase modulation in hydrogenated amorphous silicon optical fibers. Optics Express, 2012, 20, 26110. | 1.7 | 31 |
| 47 | Semiconductor optical fibres for infrared applications: A review. Semiconductor Science and Technology, 2016, 31, 103004. | 1.0 | 30 |
| 48 | Post-fabrication phase trimming of Machâ€“Zehnder interferometers by laser annealing of germanium implanted waveguides. Photonics Research, 2017, 5, 578. | 3.4 | 29 |
| 49 | Nonlinear pulse dynamics in multimode silicon core optical fibers. Optics Letters, 2012, 37, 3351. | 1.7 | 28 |
| 50 | Two-photon absorption and all-optical modulation in germanium-on-silicon waveguides for the mid-infrared. Optics Letters, 2015, 40, 2213. | 1.7 | 27 |
| 51 | Highâ€Pressure Chemical Deposition for Voidâ€Free Filling of Extreme Aspect Ratio Templates. Advanced Materials, 2010, 22, 4605-4611. | 11.1 | 26 |
| 52 | Locally Erasable Couplers for Optical Device Testing in Silicon on Insulator. Journal of Lightwave Technology, 2014, 32, 2248-2253. | 2.7 | 26 |
| 53 | Parabolic pulse generation in tapered silicon fibers. Optics Letters, 2010, 35, 1780. | 1.7 | 25 |
| 54 | Graphene-Based Fiber Polarizer With PVB-Enhanced Light Interaction. Journal of Lightwave Technology, 2016, 34, 3563-3567. | 2.7 | 25 |

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| 55 | A review of materials engineering in silicon-based optical fibres. Semiconductor Science and Technology, 2018, 33, 023001. | 1.0 | 25 |
| 56 | Ultra-smooth lithium niobate photonic micro-structures by surface tension reshaping. Optics Express, 2010, 18, 11508. | 1.7 | 24 |
| 57 | Integrated hollow-core fibers for nonlinear optofluidic applications. Optics Express, 2013, 21, 28751. | 1.7 | 24 |
| 58 | Numerical study of parabolic pulse generation in microstructured fibre Raman amplifiers. Optics Communications, 2003, 218, 167-172. | 1.0 | 23 |
| 59 | Highly efficient surface enhanced Raman scattering using microstructured optical fibers with enhanced plasmonic interactions. Applied Physics Letters, 2008, 92, . | 1.5 | 23 |
| 60 | Nonlinear optical properties of polycrystalline silicon core fibers from telecom wavelengths into the mid-infrared spectral region. Optical Materials Express, 2019, 9, 1271. | 1.6 | 23 |
| 61 | High index contrast semiconductor ARROW and hybrid ARROW fibers. Optics Express, 2011, 19, 10979. | 1.7 | 22 |
| 62 | Polycrystalline silicon optical fibers with atomically smooth surfaces. Optics Letters, 2011, 36, 2480. | 1.7 | 22 |
| 63 | Four-Wave Mixing-Based Wavelength Conversion and Parametric Amplification in Submicron Silicon Core Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11. | 1.9 | 22 |
| 64 | Conformal Coating by High Pressure Chemical Deposition for Patterned Microwires of IIâ€“VI Semiconductors. Advanced Functional Materials, 2013, 23, 1647-1654. | 7.8 | 21 |
| 65 | All-fibre heterogeneously-integrated frequency comb generation using silicon core fibre. Nature Communications, 2022, 13, . | 5.8 | 21 |
| 66 | Net optical parametric gain in a submicron silicon core fiber pumped in the telecom band. APL Photonics, 2019, 4, . | 3.0 | 20 |
| 67 | Ultra-smooth microcylindrical resonators fabricated from the silicon optical fiber platform. Applied Physics Letters, 2011, 99, 031117. | 1.5 | 19 |
| 68 | Crystalline GaSb-core optical fibers with room-temperature photoluminescence. Optical Materials Express, 2018, 8, 1435. | 1.6 | 17 |
| 69 | Tunable continuous wave emission via phase-matched second harmonic generation in a ZnSe microcylindrical resonator. Scientific Reports, 2015, 5, 11798. | 1.6 | 16 |
| 70 | Fiber-integrated phase-change reconfigurable optical attenuator. APL Photonics, 2019, 4, . | 3.0 | 16 |
| 71 | Continuous-wave Raman amplification in silicon core fibers pumped in the telecom band. APL Photonics, 2021, 6, . | 3.0 | 16 |
| 72 | Guiding properties of large mode area silicon microstructured fibers: a route to effective single mode operation. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1529. | 0.9 | 15 |

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| 73 | Wide-Band-Gap Metal-Free Perovskite for Third-Order Nonlinear Optics. ACS Photonics, 2021, 8, 2450-2458. | 3.2 | 15 |
| 74 | Highly nonlinear yttrium-aluminosilicate optical fiber with a high intrinsic stimulated Brillouin scattering threshold. Optics Letters, 2017, 42, 4849. | 1.7 | 14 |
| 75 | Hot-wire chemical vapor deposition low-loss hydrogenated amorphous silicon waveguides for silicon photonic devices. Photonics Research, 2019, 7, 193. | 3.4 | 14 |
| 76 | Selective Semiconductor Filling of Microstructured Optical Fibers. Journal of Lightwave Technology, 2011, 29, 2005-2008. | 2.7 | 13 |
| 77 | Yb-fiber amplifier pumped idler-resonant PPLN optical parametric oscillator producing 90 femtosecond pulses with high beam quality. Applied Physics B: Lasers and Optics, 2014, 117, 987-993. | 1.1 | 13 |
| 78 | The cancellation of nonlinear and dispersive phase components on the fundamental optical fiber soliton: a pedagogical note. Optics Communications, 2001, 193, 253-259. | 1.0 | 12 |
| 79 | Oxyfluoride Core Silica-Based Optical Fiber With Intrinsically Low Nonlinearities for High Energy Laser Applications. Journal of Lightwave Technology, 2018, 36, 284-291. | 2.7 | 12 |
| 80 | Optical-resonance-enhanced nonlinearities in a MoS<sub>2</sub>-coated single-mode fiber. Optics Letters, 2018, 43, 3100. | 1.7 | 12 |
| 81 | Kruglovet al.ÂReply:. Physical Review Letters, 2004, 92, . | 2.9 | 11 |
| 82 | Mid-IR soliton compression in silicon optical fibers and fiber tapers. Optics Letters, 2012, 37, 818. | 1.7 | 10 |
| 83 | Fiber Integrated Wavelength Converter Based on a Silicon Core Fiber With a Nano-Spike Coupler. IEEE Photonics Technology Letters, 2019, 31, 1561-1564. | 1.3 | 10 |
| 84 | Laser crystallized low-loss polycrystalline silicon waveguides. Optics Express, 2019, 27, 4462. | 1.7 | 10 |
| 85 | A review of nonlinear applications in silicon optical fibers from telecom wavelengths into the mid-infrared spectral region. Optics Communications, 2020, 463, 125437. | 1.0 | 10 |
| 86 | Raman enhanced four-wave mixing in silicon core fibers. Optics Letters, 2022, 47, 1626. | 1.7 | 10 |
| 87 | Generation and interaction of parabolic pulses in high gain fiber amplifiers and oscillators. , 0, , . | | 9 |
| 88 | Thermal nonlinearity in silicon microcylindrical resonators. Applied Physics Letters, 2012, 100, 181101. | 1.5 | 9 |
| 89 | A Tuneable Multi-Core to Single Mode Fiber Coupler. IEEE Photonics Technology Letters, 2017, 29, 591-594. | 1.3 | 9 |
| 90 | Ion Implantation of Germanium Into Silicon for Critical Coupling Control of Racetrack Resonators. Journal of Lightwave Technology, 2020, 38, 1865-1873. | 2.7 | 9 |

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| 91 | The time is right for multiphoton entangled states. Science, 2016, 351, 1152-1153. | 6.0 | 8 |
| 92 | Laser-Driven Phase Segregation and Tailoring of Compositionally Graded Microstructures in Siâ€“Ge Nanoscale Thin Films. ACS Applied Materials & Interfaces, 2020, 12, 9457-9467. | 4.0 | 8 |
| 93 | Silicon erasable waveguides and directional couplers by germanium ion implantation for configurable photonic circuits. Optics Express, 2020, 28, 17630. | 1.7 | 8 |
| 94 | Second-harmonic generation in hexagonally-poled lithium niobate slab waveguides. Electronics Letters, 2003, 39, 75. | 0.5 | 7 |
| 95 | Analysis of Coupling Losses for All-Fiber Integration of Subwavelength Core Hybrid Optical Fibers. IEEE Photonics Journal, 2018, 10, 1-12. | 1.0 | 7 |
| 96 | Laser Thermal Processing of Group IV Semiconductors for Integrated Photonic Systems. Advanced Photonics Research, 2021, 2, 2000159. | 1.7 | 7 |
| 97 | Spontaneous Waveguide Raman Spectroscopy of Self-Assembled Monolayers in Silica Micropores. Langmuir, 2011, 27, 630-636. | 1.6 | 6 |
| 98 | Nonlinear properties of laser-processed polycrystalline silicon waveguides for integrated photonics. Optics Express, 2020, 28, 29192. | 1.7 | 6 |
| 99 | Mid-infrared photonics devices in SOI. Proceedings of SPIE, 2013, , . | 0.8 | 5 |
| 100 | Programmable long-period grating in a liquid core optical fiber. Optics Letters, 2016, 41, 4763. | 1.7 | 5 |
| 101 | Non-isothermal phase-field simulations of laser-written in-plane SiGe heterostructures for photonic applications. Communications Physics, 2021, 4, . | 2.0 | 4 |
| 102 | Photonic micro-structures produced by selective etching of laser-crystallized amorphous silicon. Optical Materials Express, 2019, 9, 2573. | 1.6 | 4 |
| 103 | Octave-spanning supercontinuum generation in a dispersion managed tapered crystalline silicon core fiber. , 2018, , . | | 3 |
| 104 | Surface Enhanced Raman Scattering using Metal Modified Microstructured Optical Fibre Substrates. , 2006, , . | | 2 |
| 105 | Surface enhanced Raman scattering using metal modified microstructured optical fiber substrates. , 2006, , . | | 2 |
| 106 | Time and spectrally resolved enhanced fluorescence using silver nanoparticle impregnated polycarbonate substrates. Applied Physics Letters, 2008, 93, . | 1.5 | 2 |
| 107 | Mid-IR heterogeneous silicon photonics. Proceedings of SPIE, 2013, , . | 0.8 | 2 |
| 108 | Integration of Optical Fiber and Optoelectronic Devices. , 2013, , . | | 2 |

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| 109 | Hydrogenated Amorphous Germanium Optical Fiber. , 2015, , . | | 2 |
| 110 | Towards High Speed and Low Power Silicon Photonic Data Links. , 2018, , . | | 2 |
| 111 | Germanium ion implantation for trimming the coupling efficiency of silicon racetrack resonators. , 2019, , . | | 2 |
| 112 | Ge Ion Implanted Photonic Devices and Annealing for Emerging Applications. Micromachines, 2022, 13, 291. | 1.4 | 2 |
| 113 | Loss measurements of microstructured optical fibres with metal-nanoparticle inclusions. Electronics Letters, 2008, 44, 795. | 0.5 | 1 |
| 114 | Silver nanoparticle impregnated polycarbonate substrates for plasmonic applications. , 2009, , . | | 1 |
| 115 | Effect of Core Size on Nonlinear Transmission in Silicon Optical Fibers. , 2012, , . | | 1 |
| 116 | Whispering gallery modes in semiconductor optical fibres and optical bottle microresonators. , 2013, , . | | 1 |
| 117 | Laser crystallisation of semiconductor core optical fibres. , 2013, , . | | 1 |
| 118 | Erasable diffractive grating couplers in silicon on insulator for wafer scale testing. , 2014, , . | | 1 |
| 119 | Kerr nonlinear switching in a core-shell microspherical resonator fabricated from the silicon fiber platform. , 2015, , . | | 1 |
| 120 | Templated growth of II-VI semiconductor optical fiber devices and steps towards infrared fiber lasers. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 121 | Group IV compounds for integrated photonic applications. , 2016, , . | | 1 |
| 122 | Semiconductor optical fibers for nonlinear applications. , 2016, , . | | 1 |
| 123 | Silicon and germanium mid-infrared photonics. Proceedings of SPIE, 2016, , . | 0.8 | 1 |
| 124 | Laser-induced ferroelectric domain engineering in LiNbO3crystals using an amorphous silicon overlayer. Journal of Optics (United Kingdom), 2017, 19, 084010. | 1.0 | 1 |
| 125 | Nonlinear Optics in Semiconductor Optical Fibers. , 2018, , . | | 1 |
| 126 | Advancing silicon photonics by germanium ion implantation into silicon. , 2018, , . | | 1 |

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| 127 | Hot-wire CVD hydrogenated amorphous silicon for multi-layer photonic applications. , 2020, , . | | 1 |
| 128 | Laser crystallization of silicon on lithium niobate. , 2014, , . | | 1 |
| 129 | Laser Annealing of Low Temperature Deposited Silicon Waveguides. , 2017, , . | | 1 |
| 130 | Demonstration of Kerr Nonlinearity in Silicon Microcylindrical Resonators. , 2012, , . | | 1 |
| 131 | Functionalized optical fibers for non-linear optics. , 2016, , . | | 1 |
| 132 | A multi-core fiber to single-mode fiber side-polished coupler. , 2016, , . | | 1 |
| 133 | Germanium implanted photonic devices for post-fabrication trimming and programmable circuits. , 2018, , . | | 1 |
| 134 | Parabolic similariton pulses in high gain fiber amplifiers with arbitrary longitudinal gain profiles. , 2001, , . | | 0 |
| 135 | The parabolic pulse-solitary wave transition in optical fiber amplifiers. , 0, , . | | 0 |
| 136 | Analytical solutions of the nonlinear Schrodinger equation with gain [optical solitons]. , 0, , . | | 0 |
| 137 | Surface-Enhanced Raman Spectroscopy using silver impregnated polycarbonate substrates. , 2007, , . | | 0 |
| 138 | Design Considerations for the Manufacture of Temperature-Stable Periodically-Poled Nonlinear Crystals. , 2007, , . | | 0 |
| 139 | Highly efficient SERS inside microstructured optical fibres via optical mode engineering. , 2007, , . | | 0 |
| 140 | Flat-top temperature tuning response in periodically-poled nonlinear crystals. , 2007, , . | | 0 |
| 141 | Wavelength-dependent loss measurements in polysilicon modified optical fibres. , 2009, , . | | 0 |
| 142 | Simultaneous tapering and crystallisation of silicon core optical fibres. , 2009, , . | | 0 |
| 143 | Integration of Semiconductors, Molecules, and Metals into Microstructured Optical Fibers. , 2010, , . | | 0 |
| 144 | Low Loss Amorphous Silicon Microstructured Optical Fiber with Large Mode Area Behavior. , 2010, , . | | 0 |

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| 145 | Nonlinear absorption and self-phase modulation in silicon optical fibres. , 2011, , . | | 0 |
| 146 | Taper designs for semiconductor filled fibres. , 2011, , . | | 0 |
| 147 | Experimental observation of whispering gallery modes in novel silicon microcylindrical resonators. , 2011, , . | | 0 |
| 148 | ARROW guiding silicon photonic crystal fibres. , 2011, , . | | 0 |
| 149 | Characterization of Thermal Induced Nonlinear Effects in Silicon Microcylindrical Resonators. , 2012, , . | | 0 |
| 150 | Nonlinear optics in tapered silicon fibres. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 151 | Tapered liquid-core all-fibre devices for low-threshold Raman generation. , 2013, , . | | 0 |
| 152 | Group IV platforms for the mid-infrared. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 153 | Long-wavelength silicon photonic integrated circuits. , 2014, , . | | 0 |
| 154 | Group IV mid-IR photonics. , 2015, , . | | 0 |
| 155 | Germanium-on-silicon platforms for nonlinear photonics in the mid-infrared. , 2015, , . | | 0 |
| 156 | Group IV mid-infrared photonics. , 2015, , . | | 0 |
| 157 | All-optical Modulation in Germanium-on-silicon Waveguides in the Mid-infrared. , 2015, , . | | 0 |
| 158 | Silicon photonics: some remaining challenges. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 159 | Phase trimming of Mach-Zehnder interferometers by laser annealing of germanium implanted waveguides. , 2017, , . | | 0 |
| 160 | Fiberized Silicon Devices for All-Optical Signal Processing. , 2018, , . | | 0 |
| 161 | Stimulated Raman Scattering in a Tapered Submicron Silicon Core Fiber. , 2021, , . | | 0 |
| 162 | Parametric frequency comb generation using silicon core fiber. , 2021, , . | | 0 |

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|---|---|---|---|
| 163 | Ultra-smooth lithium niobate single crystal photonic micro-structures. , 2009, , . | | 0 |
| 164 | Nonlinearities in Silicon Optical Fibers. , 2011, , . | | 0 |
| 165 | Hydrogenated Amorphous Silicon Microcylindrical Resonators for Ultrafast Modulation. , 2014, , . | | 0 |
| 166 | In-fiber all-optical modulation based on an enhanced light-matter interaction with graphene. , 2016, , . | | 0 |
| 167 | Interfacing Telecom Fibers and Silicon Core Fibers with Nano-Spikes for In-Fiber Silicon Devices. , 2018, , . | | 0 |
| 168 | Future of Semiconductor-core Optical Fibers. , 2018, , . | | 0 |
| 169 | Laser processed semiconductors for integrated photonic devices -INVITED. EPJ Web of Conferences, 2020, 238, 01001. | 0.1 | 0 |
| 170 | Laser-Written Silicon-Germanium Alloy Microstructures with Tunable Compositionally Graded Profiles. , 2020, , . | | 0 |
| 171 | Raman Enhanced Four-Wave Mixing in Silicon Core Fibers. , 2021, , . | | 0 |
| 172 | Enhanced All-optical Modulation in MoS2-coated Side-polished Fibres. , 2021, , . | | 0 |
| 173 | Silicon core fibers for integrated nonlinear systems. , 2020, , . | | 0 |