

Zeyu Pan

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

425
citations

687363

13
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752698

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g-index

49
all docs

49
docs citations

49
times ranked

627
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Printed photonic elements: nanoimprinting and beyond. Journal of Materials Chemistry C, 2016, 4, 5133-5153. | 5.5 | 71 |
| 2 | One-dimensional photonic crystal slot waveguide for silicon-organic hybrid electro-optic modulators. Optics Letters, 2016, 41, 5466. | 3.3 | 35 |
| 3 | Enhanced optical absorption and electric field resonance in diablo metal bar optical antennas. Optics Express, 2013, 21, 32491. | 3.4 | 32 |
| 4 | Design of Highly Efficient Hybrid Si-Au Taper for Dielectric Strip Waveguide to Plasmonic Slot Waveguide Mode Converter. Journal of Lightwave Technology, 2015, 33, 535-540. | 4.6 | 29 |
| 5 | On-chip optical true time delay lines featuring one-dimensional fishbone photonic crystal waveguide. Applied Physics Letters, 2018, 112, . | 3.3 | 29 |
| 6 | High-Speed Modulator Based on Electro-Optic Polymer Infiltrated Subwavelength Grating Waveguide Ring Resonator. Laser and Photonics Reviews, 2018, 12, 1700300. | 8.7 | 27 |
| 7 | Towards Realizing High-Throughput, Roll-to-Roll Manufacturing of Flexible Electronic Systems. Electronics (Switzerland), 2014, 3, 624-635. | 3.1 | 26 |
| 8 | Integrated Broadband Bowtie Antenna on Transparent Silica Substrate. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1377-1381. | 4.0 | 22 |
| 9 | Silicon-Based Hybrid Integrated Photonic Chip for K _u band Electromagnetic Wave Sensing. Journal of Lightwave Technology, 2018, 36, 1568-1575. | 4.6 | 21 |
| 10 | Ultra-compact and wide-spectrum-range thermo-optic switch based on silicon coupled photonic crystal microcavities. Applied Physics Letters, 2015, 107, 221104. | 3.3 | 15 |
| 11 | Quasi-vertical tapers for polymer-waveguide-based interboard optical interconnects. Photonics Research, 2015, 3, 317. | 7.0 | 15 |
| 12 | Mode properties of flat-top silver nanoridge surface plasmon waveguides. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 340. | 2.1 | 13 |
| 13 | Atto-Joule, high-speed, low-loss plasmonic modulator based on adiabatic coupled waveguides. Nanophotonics, 2018, 7, 859-864. | 6.0 | 13 |
| 14 | Subwavelength Grating Metamaterial Racetrack Resonator for Sensing and Modulation. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8. | 2.9 | 13 |
| 15 | Guided surface plasmon mode of semicircular cross section silver nanoridges. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2548. | 2.1 | 9 |
| 16 | Periodic waveguide structures for on-chip modulation and sensing. Japanese Journal of Applied Physics, 2018, 57, 08PA04. | 1.5 | 9 |
| 17 | Guided plasmon modes of triangular and inverted triangular cross-section silver nanoridges. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 950. | 2.1 | 6 |
| 18 | High Speed Modulator Based on Electro-optic Polymer Infiltrated Subwavelength Grating Waveguide Ring Resonator. , 2018, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Guided Plasmon Modes of Elliptical Cross Section Silver Nanoridges. Journal of Lightwave Technology, 2012, 30, 2733-2740. | 4.6 | 5 |
| 20 | High efficiency silicon strip waveguide to plasmonic slot waveguide mode converter. , 2015, , . | | 4 |
| 21 | Design of a plasmonic-organic hybrid slot waveguide integrated with a bowtie-antenna for terahertz wave detection. Proceedings of SPIE, 2016, , . | 0.8 | 4 |
| 22 | Antenna-coupled silicon-organic hybrid integrated photonic crystal modulator for broadband electromagnetic wave detection. Proceedings of SPIE, 2015, , . | 0.8 | 3 |
| 23 | Silicon-organic Hybrid Electro-optic Modulator Based on One-dimensional Photonic Crystal Slot Waveguides. , 2016, , . | | 3 |
| 24 | Reconfigurable thermo-optic polymer switch based true-time-delay network utilizing imprinting and inkjet printing. , 2015, , . | | 2 |
| 25 | High optical coupling efficiency quasi-vertical taper for polymer waveguide devices. Proceedings of SPIE, 2015, , . | 0.8 | 2 |
| 26 | Multiple-Input Multiple-Output Enabled Large Bandwidth Density On-Chip Optical Interconnect. Journal of Lightwave Technology, 2016, 34, 2969-2974. | 4.6 | 2 |
| 27 | One-dimensional photonic crystal slot waveguide for silicon-organic hybrid electro-optic modulators. , 2017, , . | | 2 |
| 28 | Wide-spectrum-range Power-efficient Compact Thermo-optic Switch Based on Coupled Photonic Crystal Microcavities. , 2015, , . | | 1 |
| 29 | Broadband energy-efficient optical modulation by hybrid integration of silicon nanophotonics and organic electro-optic polymer. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 30 | RF beam transmission of x-band PAA system utilizing large-area, polymer-based true-time-delay module developed using imprinting and inkjet printing. , 2016, , . | | 1 |
| 31 | Microheater-integrated silicon coupled photonic crystal microcavities for low-power thermo-optic switching over a wide spectrum. Proceedings of SPIE, 2016, , . | 0.8 | 1 |
| 32 | Printed polymer photonic devices for optical interconnect systems. , 2016, , . | | 1 |
| 33 | All-optical switch with 1 ps response time enabled by graphene oxide infiltrated subwavelength grating waveguide. , 2017, , . | | 1 |
| 34 | High-speed silicon-organic hybrid modulator enabled by sub-wavelength grating waveguide ring resonator. , 2018, , . | | 1 |
| 35 | Properties of silver nanoridge surface plasmon waveguide modes. , 2013, , . | | 0 |
| 36 | Backside-gate-assisted broadband modulation on silicon-polymer hybrid photonic crystal waveguide. , 2015, , . | | 0 |

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|----|--|-----|-----------|
| 37 | Coupled photonic crystal microcavities for optical switching over wide spectral range. , 2015, , . | | 0 |
| 38 | Integrated broadband bowtie antenna on transparent substrate. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 39 | Multiple-input multiple-output based high density on-chip optical interconnect. , 2015, , . | | 0 |
| 40 | Low-loss mode converter for coupling light into slotted photonic crystal waveguide. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 41 | Ultra-compact electromagnetic wave sensor featuring electro-optics polymer infiltrated one-dimensional photonic-crystal-slotted waveguide (Conference Presentation). , 2017, , . | | 0 |
| 42 | High speed attojoule/bit passive and active nanophotonic devices for computing and optical interconnects (Conference Presentation). , 2017, , . | | 0 |
| 43 | Nanoridge Surface Plasmon Waveguides. , 2013, , . | | 0 |
| 44 | Enhanced plasmon resonance and light absorption in diabolo metal bar optical antennas. , 2014, , . | | 0 |
| 45 | Low-loss Mode Converter for Silicon-Polymer Hybrid Slot Photonic Crystal Waveguide. , 2015, , . | | 0 |
| 46 | High speed and low power consumption modulator based on electro-optic polymer infiltrated subwavelength grating waveguide ring resonator (Conference Presentation). , 2017, , . | | 0 |
| 47 | Ultra-Fast Compact Plasmonic Modulator based on Adiabatic Coupled Waveguides. , 2018, , . | | 0 |
| 48 | Ultra-Compact Optical True Time Delay Lines Featuring Fishbone-Like One-Dimensional Photonic Crystal Waveguide. , 2018, , . | | 0 |
| 49 | Dielectric metamaterial waveguide for optical interconnect and sensing. , 2019, , . | | 0 |