

# Anand Ramaswamy

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

523  
citations

932766

10  
h-index

996533

15  
g-index

36  
all docs

36  
docs citations

36  
times ranked

449  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Integrated Coherent Receivers for High-Linearity Microwave Photonic Links. Journal of Lightwave Technology, 2008, 26, 209-216.                                | 2.7 | 69        |
| 2  | 30-Gb/s Optical Link Combining Heterogeneously Integrated III-V/Si Photonics With 32-nm CMOS Circuits. Journal of Lightwave Technology, 2015, 33, 657-662.    | 2.7 | 61        |
| 3  | High Power Silicon-Germanium Photodiodes for Microwave Photonic Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3336-3343.      | 2.9 | 48        |
| 4  | Highly Linear Coherent Receiver With Feedback. IEEE Photonics Technology Letters, 2007, 19, 940-942.  | 1.3 | 44        |
| 5  | High Output Saturation and High-Linearity Uni-Traveling-Carrier Waveguide Photodiodes. IEEE Photonics Technology Letters, 2007, 19, 149-151.                  | 1.3 | 39        |
| 6  | High-Power and High-Speed Heterogeneously Integrated Waveguide-Coupled Photodiodes on Silicon-on-Insulator. Journal of Lightwave Technology, 2016, 34, 73-78. | 2.7 | 30        |
| 7  | Heterogeneously Integrated Waveguide-Coupled Photodiodes on SOI with 12 dBm Output Power at 40 GHz. , 2015, , .   |     | 28        |
| 8  | Nonlinear modeling of waveguide photodetectors. Optics Express, 2013, 21, 15634.  | 1.7 | 22        |
| 9  | SFDR Improvement of a Coherent Receiver Using Feedback. , 2006, , .   |     | 22        |
| 10 | Linear Coherent Receiver based on a Broadband and Sampling Optical Phase-Locked Loop. , 2007, , .   |     | 19        |
| 11 | Novel Optical Phase Demodulator Based on a Sampling Phase-Locked Loop. IEEE Photonics Technology Letters, 2007, 19, 686-688.                                  | 1.3 | 17        |
| 12 | Measurement of intermodulation distortion in high-linearity photodiodes. Optics Express, 2010, 18, 2317.  | 1.7 | 15        |
| 13 | Dynamic range enhancement of a novel phase-locked coherent optical phase demodulator. Optics Express, 2007, 15, 33.   | 1.7 | 13        |
| 14 | Three-tone characterization of high-linearity waveguide uni-traveling-carrier photodiodes. , 2008, , .  |     | 10        |
| 15 | Optical Phase Demodulation of a 10GHz RF Signal using Optical Sampling. , 2008, , .   |     | 10        |
| 16 | 60-Gb/s Receiver Employing Heterogeneously Integrated Silicon Waveguide Coupled Photodetector. , 2013, , .  |     | 8         |
| 17 | All-Optical Coherent Receiver with Feedback and Sampling. , 2006, , .   |     | 7         |
| 18 | Investigation of a Novel Optical Phase Demodulator Based on a Sampling Phase-Locked Loop. , 2006, , .   |     | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Monolithically Integrated Coherent Receiver for Highly Linear Microwave Photonic Links. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , . | 0.0 | 6         |
| 20 | Highly Linear Integrated Coherent Receivers for Microwave Photonic Links. , 2009, , .   |     | 6         |
| 21 | Four-Channel WDM Transmitter With Heterogeneously Integrated III-V/Si Photonics and Low Power 32 nm CMOS Drivers. Journal of Lightwave Technology, 2016, 34, 3131-3137.           | 2.7 | 6         |
| 22 | Demonstration of a linear ultra-compact integrated coherent receiver. , 2010, , .   |     | 5         |
| 23 | Three-dimensional Thermal Analysis of a Waveguide Ge/Si Photodiode. , 2010, , .   |     | 5         |
| 24 | Uni-Travelling-Carrier Photodiodes with Increased Output Response and Low Intermodulation Distortion. , 2007, , .   |     | 4         |
| 25 | A high power Ge n-i-p waveguide photodetector on silicon-on-insulator substrate. , 2009, , .  |     | 4         |
| 26 | InP/InGaAsP-Based Integrated 3-dB Trench Couplers for Ultra-Compact Coherent Receivers. IEEE Photonics Technology Letters, 2011, 23, 311-313.                                     | 1.3 | 4         |
| 27 | Analysis of Sampled Optical Phase-Lock Loops. , 2007, , .   |     | 3         |
| 28 | Microwave characteristics of Ge n-i-p waveguide photodetectors on silicon-on-insulator substrate. , 2009, , .   |     | 3         |
| 29 | Ultra-compact integrated coherent receiver for high linearity RF photonic links. , 2010, , .  |     | 3         |
| 30 | Integrated coherent receiver for linear optical phase demodulation. Microwave and Optical Technology Letters, 2011, 53, 2343-2345.  | 0.9 | 2         |
| 31 | Dynamic Characterization of Distortion in Hybrid Silicon Evanescent Phase Modulators. IEEE Photonics Technology Letters, 2009, 21, 833-835.                                       | 1.3 | 1         |
| 32 | Linear Coherent Optical Receivers. , 2010, , .  |     | 1         |
| 33 | Harmonic balance modeling for photodetector nonlinearity. , 2013, , .   |     | 1         |
| 34 | Integrated All-Photonic Coherent Receiver. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .  | 0.0 | 0         |
| 35 | Coherent optical receiver with linear XOR phase detection and frequency down-conversion. , 2009, , .  |     | 0         |
| 36 | Heterogeneously integrated waveguide-coupled photodiodes on silicon-on-diamond (SOD). Proceedings of SPIE, 2016, , .  | 0.8 | 0         |