

Anand Ramaswamy

List of Publications by Year in descending order

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36
papers

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citations

932766

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36
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36
docs citations

36
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneously integrated waveguide-coupled photodiodes on silicon-on-diamond (SOD). Proceedings of SPIE, 2016, , .	0.8	0
2	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
3	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
4	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
5	Heterogeneously Integrated Waveguide-Coupled Photodiodes on SOI with 12 dBm Output Power at 40 GHz. , 2015, , .		28
6	Harmonic balance modeling for photodetector nonlinearity. , 2013, , .		1
7	Nonlinear modeling of waveguide photodetectors. Optics Express, 2013, 21, 15634.	1.7	22
8	60-Gb/s Receiver Employing Heterogeneously Integrated Silicon Waveguide Coupled Photodetector. , 2013, , .		8
9	InP/InGaAsP-Based Integrated 3-dB Trench Couplers for Ultra-Compact Coherent Receivers. IEEE Photonics Technology Letters, 2011, 23, 311-313.	1.3	4
10	Integrated coherent receiver for linear optical phase demodulation. Microwave and Optical Technology Letters, 2011, 53, 2343-2345.	0.9	2
11	Linear Coherent Optical Receivers. , 2010, , .		1
12	Ultra-compact integrated coherent receiver for high linearity RF photonic links. , 2010, , .		3
13	Measurement of intermodulation distortion in high-linearity photodiodes. Optics Express, 2010, 18, 2317.	1.7	15
14	High Power Silicon-Germanium Photodiodes for Microwave Photonic Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3336-3343.	2.9	48
15	Demonstration of a linear ultra-compact integrated coherent receiver. , 2010, , .		5
16	Three-dimensional Thermal Analysis of a Waveguide Ge/Si Photodiode. , 2010, , .		5
17	Dynamic Characterization of Distortion in Hybrid Silicon Evanescent Phase Modulators. IEEE Photonics Technology Letters, 2009, 21, 833-835.	1.3	1
18	A high power Ge n-i-p waveguide photodetector on silicon-on-insulator substrate. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
19	Coherent optical receiver with linear XOR phase detection and frequency down-conversion. , 2009, , .		0
20	Microwave characteristics of Ge n-i-p waveguide photodetectors on silicon-on-insulator substrate. , 2009, , .		3
21	Highly Linear Integrated Coherent Receivers for Microwave Photonic Links. , 2009, , .		6
22	Integrated Coherent Receivers for High-Linearity Microwave Photonic Links. Journal of Lightwave Technology, 2008, 26, 209-216.	2.7	69
23	Three-tone characterization of high-linearity waveguide uni-traveling-carrier photodiodes. , 2008, , .		10
24	Optical Phase Demodulation of a 10GHz RF Signal using Optical Sampling. , 2008, , .		10
25	Analysis of Sampled Optical Phase-Lock Loops. , 2007, , .		3
26	Dynamic range enhancement of a novel phase-locked coherent optical phase demodulator. Optics Express, 2007, 15, 33.	1.7	13
27	Linear Coherent Receiver based on a Broadband and Sampling Optical Phase-Locked Loop. , 2007, , .		19
28	Integrated All-Photonic Coherent Receiver. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
29	Monolithically Integrated Coherent Receiver for Highly Linear Microwave Photonic Links. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	6
30	Uni-Traveling-Carrier Photodiodes with Increased Output Response and Low Intermodulation Distortion. , 2007, , .		4
31	High Output Saturation and High-Linearity Uni-Traveling-Carrier Waveguide Photodiodes. IEEE Photonics Technology Letters, 2007, 19, 149-151.	1.3	39
32	Novel Optical Phase Demodulator Based on a Sampling Phase-Locked Loop. IEEE Photonics Technology Letters, 2007, 19, 686-688.	1.3	17
33	Highly Linear Coherent Receiver With Feedback. IEEE Photonics Technology Letters, 2007, 19, 940-942.	1.3	44
34	All-Optical Coherent Receiver with Feedback and Sampling. , 2006, , .		7
35	Investigation of a Novel Optical Phase Demodulator Based on a Sampling Phase-Locked Loop. , 2006, , .		7
36	SFDR Improvement of a Coherent Receiver Using Feedback. , 2006, , .		22