

# Arshad Chowdhury

## List of Publications by Year in descending order

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44  
papers

890  
citations

758635

12  
h-index

839053

18  
g-index

44  
all docs

44  
docs citations

44  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiband 60-GHz Wireless Over Fiber Access System With High Dispersion Tolerance Using Frequency Tripling Technique. Journal of Lightwave Technology, 2011, 29, 1105-1111.	2.7	44
2	Performance Assessment of Radio Links Using Millimeter-Wave Over Fiber Technology With Carrier Suppression Through Modulation Index Enhancement. Journal of Optical Communications and Networking, 2011, 3, 254.	3.3	16
3	Radio over Fiber Technology for Next-Generation E-Health in Converged Optical and Wireless Access Network. , 2011, , .		6
4	Optical Central Clock Distribution for MIMO-Enabled, Millimeter Wave Wireless Interconnects. , 2011, , .		0
5	Demonstration of Simultaneous All-optical Up-conversion of Gigabit Wireless Services at 60-GHz and 64-GHz in Converged Optical Wireless System Carried by Single Wavelength Lightwave. , 2010, , .		5
6	Millimeter-wave main memory-to-processor data bus. , 2010, , .		4
7	Broadband access technologies for very high throughput wireless sensor communication networks. , 2010, , .		5
8	A hybrid MAC protocol design for energy-efficient very-high-throughput millimeter wave wireless sensor communication networks. , 2010, , .		3
9	On Frequency-Doubled Optical Millimeter-Wave Generation Technique Without Carrier Suppression for In-Building Wireless Over Fiber Applications. IEEE Photonics Technology Letters, 2010, 22, 182-184.	1.3	7
10	Optical Millimeter-Wave Generation and Transmission Without Carrier Suppression for Single- and Multi-Band Wireless Over Fiber Applications. Journal of Lightwave Technology, 2010, 28, 2230-2237.	2.7	34
11	Cost-Effective Optical Millimeter Technologies and Field Demonstrations for Very High Throughput Wireless-Over-Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2376-2397.	2.7	112
12	Energy-Efficient Multi-Access Technologies for Very-High-Throughput Avionic Millimeter Wave, Wireless Sensor Communication Networks. Journal of Lightwave Technology, 2010, 28, 2398-2405.	2.7	14
13	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2406-2415.	2.7	34
14	Converged broadband optical and wireless communication infrastructure for next-generation telehealth. , 2010, , .		2
15	Next-generation E-health communication infrastructure using converged super-broadband optical and wireless access system. , 2010, , .		9
16	Multiband Signals Generation and Transmission over Fiber and Air by a Novel Frequency-Doubled, Radio-Over-Fiber Architecture without Expensive Carrier Suppression Filters. , 2010, , .		0
17	A Hybrid MAC Protocol Design for Energy-Efficient Very-High-Throughput Millimeter Wave, Wireless Sensor Communication Networks. , 2010, , .		0
18	Spectrum-Compressed, Millimeter-Wave Wireless over Fiber Access System Using Duobinary Line Coding at 10-Gbps and Beyond. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	A Novel Carrier-Eliminated Optical Millimeter-Wave Generation Using a Single Over-Driven Phase Modulator. , 2010, , .		2
20	Simultaneous transmission of wireless and wired data using coherent subcarrier modulation of optically generated 60 GHz signals. , 2009, , .		0
21	Toward a 60GHz wireless, lowpower, highthroughput memory access system. Microwave and Optical Technology Letters, 2009, 51, 2969-2973.	0.9	8
22	Key Technologies of WDM-PON for Future Converged Optical Broadband Access Networks [Invited]. Journal of Optical Communications and Networking, 2009, 1, C35.	3.3	230
23	Wireless high-definition services over optical fiber networks. Journal of Optical Networking, 2009, 8, 235.	2.5	4
24	Advanced System Technologies and Field Demonstration for In-Building Optical-Wireless Network With Integrated Broadband Services. Journal of Lightwave Technology, 2009, 27, 1920-1927.	2.7	61
25	Simultaneous Transmission of Wireless and Wireline Services Using a Single 60-GHz Radio-Over-Fiber Channel by Coherent Subcarrier Modulation. IEEE Photonics Technology Letters, 2009, 21, 1127-1129.	1.3	22
26	Architectures and technologies for very high throughput in-building wireless services using radio-over-fiber networks. , 2009, , .		2
27	A Novel 60-GHz Millimeter-Wave over Fiber with Independent 10-Gbps Wired and Wireless Services on a Single Wavelength Using PolMUX and Wavelength-Reuse Techniques. , 2009, , .		9
28	Rayleigh Backscattering Noise-Eliminated 115-km Long-Reach Bidirectional Centralized WDM-PON With 10-Gb/s DPSK Downstream and Remodulated 2.5-Gb/s OCS-SCM Upstream Signal. IEEE Photonics Technology Letters, 2008, 20, 2081-2083.	1.3	48
29	Multiband Signal Generation and Dispersion-Tolerant Transmission Based on Photonic Frequency Tripling Technology for 60-GHz Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2008, 20, 1470-1472.	1.3	71
30	A Self-Survivable WDM-PON Architecture with Centralized Wavelength Monitoring, Protection and Restoration for both Upstream and Downstream Links. , 2008, , .		9
31	Long-reach, 60-GHz Mm-wave optical-wireless access network using remote signal regeneration and upconversion. , 2008, , .		5
32	A Novel 10 Gb/s TDM-PON Using Embedded Clocks in Centralized Optical Signals and Conventional CW Receivers for Instantaneous Burst-Mode Data and Clock Recovery. , 2008, , .		0
33	A Simple WDM-PON Architecture to Simultaneously Provide Triple-play Services by Using One Single Modulator. , 2008, , .		4
34	10&#x00D7;100-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system. , 2008, , .		3
35	Rayleigh backscattering noise eliminated long-reach bi-directional WDM-PON with 10-Gb/s DPSK downstream and remodulated 2.5-Gb/s OOK upstream using optical carrier-suppressed sub-carrier modulation. , 2008, , .		1
36	Super-Broadband Optical Wireless Access Technologies. , 2008, , .		28

#	ARTICLE	IF	CITATIONS
37	Centralized, colorless, wavelength reusable 25GHz spaced DWDM-PON with 10 Gb/s DPSK downstream and re-modulated 10Gb/s duobinary upstream for next-generation local access system. , 2008, , .		5
38	A Novel Bidirectional DWDM-PON Using Single Light Source for Simultaneous Download, Upload and Video Selectcast Services. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
39	A Novel Hybrid 10G/1G Coexisted TDM-PON Using Central Office Controlled Reflective Transmitters for Low-Cost Upstream 10G Services. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
40	Next generation 100Gb/s ethernet technologies. Proceedings of SPIE, 2007, , .	0.8	3
41	A Novel Centrally Managed Self-Protected Bi-directional WDM-PON Architecture using Optical carrier Suppression, Separation Technique and Wavelength Sharing Scheme. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
42	Simultaneous Generation of Independent Wired and Wireless Services Using a Single Modulator in Millimeter-Wave-Band Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2007, 19, 1691-1693.	1.3	73
43	Experimental Demonstration of 40Gbps per Channel Transmission over 50GHz DWDM Systems for Low-cost Metro and Access Networks. , 2006, , .		0
44	Same Wavelength Packet Switching in Optical Label Switched Networks. Journal of Lightwave Technology, 2006, 24, 4838-4849.	2.7	6