

Zhengyuan Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

2,945
citations

26
h-index

49
g-index

223
ext. papers

3,797
ext. citations

4.8
avg, IF

5.77
L-index

#	Paper	IF	Citations
165	Weak signal detection for visible light communication in the pulse and transition regimes of an operational PMT detector via an SVM-based learning method.. <i>Optics Express</i> , 2022 , 30, 12456-12473	3.3	
164	Channel Modeling and Signal Processing for Array-Based Visible Light Communication System Under Link Misalignment. <i>IEEE Photonics Journal</i> , 2022 , 14, 1-10	1.8	1
163	Secrecy Performance Analysis for Water-to-Air Visible Light Communication. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	3
162	Wireless communication based on microwave photon-level detection with superconducting devices: Achievable rate prediction. <i>China Communications</i> , 2022 , 1-14	3	
161	Anti error and erasure coding for water-to-air visible light communication through wavy water surface with wave height up to 0.6 meters. <i>Optics Express</i> , 2022 , 30, 18743	3.3	2
160	Preliminary Investigation of Air-to-Water Visible Light Communication Link Under Strong Ambient Light 2021 ,		1
159	Hybrid RF/VLC Systems: A Comprehensive Survey on Network Topologies, Performance Analyses, Applications, and Future Directions. <i>IEEE Access</i> , 2021 , 9, 160402-160436	3.5	9
158	Saturation compensation for visible light communication with off-the-shelf detectors. <i>Optics Express</i> , 2021 , 29, 9670-9684	3.3	5
157	Experimental underwater quantum key distribution. <i>Optics Express</i> , 2021 , 29, 8725-8736	3.3	7
156	Weak Radio-Frequency Signal Detection Based on Piezo-Opto-Electro-Mechanical System: Architecture Design and Sensitivity Prediction. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10085-10102	10.7	0
155	Quantumized Microwave Detection Based on Ξ Type Three-level Superconducting System: HMM Modeling and Performance Prediction. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	
154	Two-dimensional Intensity Distribution and Adaptive Power Allocation for Ultraviolet Ad-Hoc Network. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	1
153	Preliminary Characterization of Coverage for Water-to-Air Visible Light Communication Through Wavy Water Surface. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-13	1.8	7
152	Petahertz communication: Harmonizing optical spectra for wireless communications. <i>Digital Communications and Networks</i> , 2021 , 7, 605-605	5.9	4
151	On the Achievable Rate and Capacity for a Sample-Based Practical Photon-Counting Receiver. <i>IEEE Transactions on Communications</i> , 2021 , 69, 6152-6169	6.9	1
150	Some practical constraints and solutions for optical camera communication. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190191	3	22
149	Design and Demonstration of Robust Visible Light Positioning Based on Received Signal Strength. <i>Journal of Lightwave Technology</i> , 2020 , 38, 5695-5707	4	13

148	APD Nonlinearity and Its Impact on PAM-Based Visible Light Communication. <i>IEEE Communications Letters</i> , 2020 , 24, 1057-1061	3.8	3
147	Correlation Analysis and Link Gain Prediction for Optical Wireless Scattering Communication Over Broad Spectra. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1386-1396	9.6	2
146	Graph-based multi-user scheduling for indoor cooperative visible light transmission. <i>Optics Express</i> , 2020 , 28, 15984-16002	3.3	4
145	Comparison of interpolation-based sampling frequency offset compensation schemes for practical OFDM-VLC systems. <i>Optics Express</i> , 2020 , 28, 2337-2348	3.3	3
144	Correlation-Based LTI Channel Estimation for Multi-Wavelength Optical Scattering NLOS Communication. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1648-1661	6.9	1
143	LED Half-Power Angle Optimization for Ultra-Dense Indoor Visible Light Communication Network Deployment. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 835-848	6.7	5
142	Dynamic Optical Wireless Communication Channel Characterization Through Air-Water Interface 2020 ,		7
141	SVM-Assisted Realization and Demonstration of Indoor 4 Mb/s Non-Line-of-Sight Visible Light Communication With Second-Order Reflection. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-17	1.8	3
140	Achievable Rate Bounds on Poisson Channel with a Sample-Based Practical Photon-Counting Receiver 2019 ,		1
139	Vectorized Color Modulation for Covert Camera-Screen Communication 2019 ,		3
138	Multi-Layer Coding and Map-Assisted Partial Group Decoding for Multi-Color Multi-User Visible Light Communication 2019 ,		1
137	Characterization on Practical Photon Counting Receiver in Optical Scattering Communication. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2203-2217	6.9	17
136	Power Allocation Over Broad Spectra Optical Wireless Scattering Communication Based on Link Gain Correlation. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6980-6993	6.9	3
135	Constrained Partial Group Decoding With MaxMin Fairness for Multi-Color Multi-User Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2019 , 67, 8573-8584	6.9	4
134	A Statistical Non-Linear Model and Analysis for Photon-Level Photomultiplier Receiver 2019 ,		1
133	Multi-Layer Superimposed Transmission for Optical Wireless Scattering Communication. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-14	1.8	1
132	Real-time investigation of CAP transceivers with hybrid digital equalization for visible light communication. <i>Optics Express</i> , 2019 , 27, 9382-9393	3.3	11
131	100 m/500 Mbps underwater optical wireless communication using an NRZ-OOK modulated 520 nm laser diode. <i>Optics Express</i> , 2019 , 27, 12171-12181	3.3	79

130	A Survey on Ultraviolet C-Band (UV-C) Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 2111-2133	37.1	58
129	Mitigation of Strong Background Radiation with Attenuation Diversity for Vehicular Visible Light Communication 2019 ,		2
128	Achievable Rates and Signal Detection for Photon-Level Photomultiplier Receiver Based on Statistical Non-Linear Model. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 6015-6029	9.6	6
127	Clipping Noise and Power Allocation for OFDM-Based Optical Wireless Communication Using Photon Detection. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 237-240	5.9	11
126	Distance-Range-Oriented Constellation Design for VLC-SCMA Downlink With Signal-Dependent Noise. <i>IEEE Communications Letters</i> , 2019 , 23, 434-437	3.8	7
125	Hidden Markov Model Based Signal Characterization for Weak Light Communication. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1730-1738	4	5
124	OLED Panel Radiation Pattern and Its Impact on VLC Channel Characteristics. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-10	1.8	9
123	A 1Mbps Real-Time NLOS UV Scattering Communication System With Receiver Diversity Over 1km. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-13	1.8	22
122	Signal Characterization for Multiple Access Non-Line of Sight Scattering Communication. <i>IEEE Transactions on Communications</i> , 2018 , 66, 4138-4154	6.9	10
121	A Cost-Efficient Real-Time 25 Mb/s System for LED-UOWC: Design, Channel Coding, FPGA Implementation, and Characterization. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2627-2637	4	25
120	Signal Detection Under Short-Interval Sampling of Continuous Waveforms for Optical Wireless Scattering Communication. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3431-3443	9.6	11
119	Efficient Visible Light Sensing in Eigenspace. <i>IEEE Communications Letters</i> , 2018 , 22, 994-997	3.8	6
118	A Two-Dimensional Constellation Design Method for Visible Light Communications With Signal-Dependent Shot Noise. <i>IEEE Communications Letters</i> , 2018 , 22, 1786-1789	3.8	5
117	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 5480-5493	9.6	5
116	Experimental Indoor Visible Light Positioning Systems With Centimeter Accuracy Based on a Commercial Smartphone Camera. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-17	1.8	14
115	Optimal Transmission of VLC System in the Presence of LED Nonlinearity and APD Module Saturation. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-14	1.8	8
114	Compensation of Sampling Frequency Offset With Digital Interpolation for OFDM-Based Visible Light Communication Systems. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5488-5497	4	12
113	Predicted and Experimental Performance of a Long Distance Non-Line of Sight Image Sensor Communication System 2018 ,		4

112	Correlation Analysis and Path Loss Prediction for Optical Wireless Scattering Communication over Broad Spectra 2018 ,		6
111	Channel Characterization for Multi-Color VLC for Feedback and Beamforming Design 2018 ,		4
110	Joint Dimming and Communication Design for Visible Light Communication. <i>IEEE Communications Letters</i> , 2017 , 21, 1043-1046	3.8	15
109	Power optimization for multiple QoS, delay, and BER classes relying on finite-delay information theory. <i>Journal of Communications and Information Networks</i> , 2017 , 2, 33-40		
108	Turbulence Channel Modeling and Non-Parametric Estimation for Optical Wireless Scattering Communication. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2746-2756	4	12
107	Link Gain and Pulse Width Broadening Evaluation of Non-Line-of-Sight Optical Wireless Scattering Communication Over Broad Spectra. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-12	1.8	15
106	Characteristics and Performance of Image Sensor Communication. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-19	1.8	14
105	Lens design for indoor MIMO visible light communications. <i>Optics Communications</i> , 2017 , 389, 224-229	2	6
104	Parallel Channel over Wide Optical Spectrum: Mining and Matching-Based Optimization 2017 ,		3
103	Demonstration of a covert camera-screen communication system 2017 ,		6
102	Color Planning and Intercell Interference Coordination for Multicolor Visible Light Communication Networks. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4980-4993	4	19
101	Power optimization under brightness and communication requirements for visible light communication based on MacAdam ellipse. <i>Journal of Communications and Information Networks</i> , 2017 , 2, 28-35		3
100	Optical Wireless Scattering Channel Estimation for Photon-Counting and Photomultiplier Tube Receivers. <i>IEEE Transactions on Communications</i> , 2016 , 64, 4749-4763	6.9	9
99	Squarylium and rubrene based filterless narrowband photodetectors for an all-organic two-channel visible light communication system. <i>Organic Electronics</i> , 2016 , 37, 346-351	3.5	27
98	Modulation Designs for Visible Light Communications With Signal-Dependent Noise. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5516-5525	4	14
97	Signal Characterization and Receiver Design for Visible Light Communication Under Weak Illuminance. <i>IEEE Communications Letters</i> , 2016 , 1-1	3.8	16
96	Indoor Optical Wireless Channel Characteristics With Distinct Source Radiation Patterns. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-15	1.8	23
95	Design and implementation of a real-time CIM-MIMO optical camera communication system. <i>Optics Express</i> , 2016 , 24, 24567-24579	3.3	28

94	Turbulence channel modeling and non-parametric estimation for optical wireless scattering communication 2016 ,		1
93	A 1.9Mbps OFDM-based all-organic visible light communication system 2016 ,		2
92	Power optimization of multiple-wavelength optical wireless scattering communication 2016 ,		3
91	Sequential detection for optical wireless scattering communication 2016 ,		1
90	Design and experimental demonstration of a real-time 95kbps optical camera communication system 2016 ,		3
89	DC-Informative Joint Color-Frequency Modulation for Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2181-2188	4	31
88	Temporal Spectrum Sensing for Optical Wireless Scattering Communications. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3890-3900	4	14
87	. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 4245-4256	4.8	88
86	System and Waveform Design for Wavelet Packet Division Multiplexing-Based Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2015 , 1-1	4	5
85	Visible light communications in heterogeneous networks: Paving the way for user-centric design. <i>IEEE Wireless Communications</i> , 2015 , 22, 8-16	13.4	109
84	Modeling of optical wireless scattering communication channels over broad spectra. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 486-90	1.8	13
83	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1738-1749	14.2	229
82	Accuracy of the Point-Source Model of a Multi-LED Array in High-Speed Visible Light Communication Channel Characterization. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-14	1.8	24
81	Non-Line of Sight Optical Wireless Relaying With the Photon Counting Receiver: A Count-and-Forward Protocol. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 376-388	9.6	32
80	LMMSE SIMO Receiver for Short-Range Non-Line-of-Sight Scattering Communication. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 5338-5349	9.6	30
79	Channel Estimation and Signal Detection for Optical Wireless Scattering Communication With Inter-Symbol Interference. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 5326-5337	9.6	53
78	Experimental demonstration of high-order modulation for optical camera communication 2015 ,		5
77	Optical interference alignment for an indoor visible light communication X-channel 2015 ,		3

76	Simulations of table-top watt-class 1 THz radiation sources with two-section periodic structure. <i>Journal of Applied Physics</i> , 2014 , 115, 014503	2.5	9
75	Impact of LED array simplification on indoor visible light communication channel modeling 2014 ,		10
74	Multihop Free-Space Optical Communications Over Turbulence Channels with Pointing Errors using Heterodyne Detection. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2597-2604	4	80
73	Visible light communication based on wavelet packet division multiplexing 2014 ,		1
72	Performance of indoor VLC and illumination under multiple reflections 2014 ,		6
71	Signature candidate of quantum chaos far from the semiclassical regime. <i>Chaos</i> , 2014 , 24, 013127	3.3	
70	Characteristics of optical scattering and turbulence communication channels 2014 ,		2
69	Improving the NLOS optical scattering channel via beam reshaping 2014 ,		4
68	Accuracy analysis of different modeling schemes in indoor visible light communications with distributed array sources 2014 ,		8
67	Wavelength dependent channel characterization for underwater optical wireless communications 2014 ,		14
66	Impact of different LED-spacing in arrayed LED transmitter on VLC channel modeling 2014 ,		4
65	Particle stream channel modeling and estimation for non-line of sight optical wireless communication 2014 ,		7
64	Estimation of NLOS optical wireless communication channels with laser transmitters 2014 ,		2
63	UVOC-MAC: a MAC protocol for outdoor ultraviolet networks. <i>Wireless Networks</i> , 2013 , 19, 1101-1120	2.5	3
62	Effects of LED lighting degradation and junction temperature variation on the performance of visible light communication 2012 ,		3
61	The color shift key modulation with non-uniform signaling for visible light communication 2012 ,		24
60	Correction to "Modeling of Non-Line-of-Sight Ultraviolet Scattering Channels for Communication" [Dec 09 1535-1544]. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 250-250	14.2	3
59	A Signal Subspace Detection Technique for Single Carrier Block Transmission with Unique Words. <i>IEEE Communications Letters</i> , 2011 , 15, 151-153	3.8	5

58	Effects of Multiple Antennas on Outage Performance of Decode-and-Forward Cooperative Networks with Relay Selection. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 3155-3159	0.5	
57	Line-of-sight visible light communication system design and demonstration 2010 ,		27
56	A Path Loss Model for Non-Line-of-Sight Ultraviolet Multiple Scattering Channels. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2010 , 2010,	3.2	48
55	Wireless ultraviolet network models and performance in noncoplanar geometry 2010 ,		7
54	Joint LED dimming and high capacity visible light communication by overlapping PPM 2010 ,		39
53	Performance analysis of the MIMO zero-forcing receiver over continuous flat fading channels 2010 ,		1
52	ZivZakai Time-Delay Estimation Bounds for Frequency-Hopping Waveforms Under Frequency-Selective Fading. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 6400-6406	4.8	6
51	ZivZakai Bounds on Time Delay Estimation in Unknown Convolutional Random Channels. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 2729-2745	4.8	13
50	Performance of short-range non-line-of-sight LED-based ultraviolet communication receivers. <i>Optics Express</i> , 2010 , 18, 12226-38	3.3	63
49	Path loss modeling and performance trade-off study for short-range non-line-of-sight ultraviolet communications. <i>Optics Express</i> , 2009 , 17, 3929-40	3.3	126
48	Modeling of non-line-of-sight ultraviolet scattering channels for communication. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 1535-1544	14.2	179
47	Blind MMSE-Constrained Multiuser Detection. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 608-618		9
46	Medium Access Control With Physical-Layer-Assisted Link Differentiation. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 1255-1271	6.8	
45	Analytical performance study of solar blind non-line-of-sight ultraviolet short-range communication links. <i>Optics Letters</i> , 2008 , 33, 1860-2	3	137
44	Low-Complexity Hyperbolic Source Localization With A Linear Sensor Array. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 865-868	3.2	12
43	Ultraviolet Communications: Potential and State-Of-The-Art 2008 , 46, 67-73		226
42	Ziv-Zakai bound on time delay estimation in unknown convolutional random channels 2008 ,		2
41	Range-based geolocation in fading environments 2008 ,		5

40	A Novel Modulation Diversity Assisted Ultrawideband Communication System. <i>IEEE Transactions on Signal Processing</i> , 2007 , 55, 4227-4240	4.8	2
39	Time Delay Estimation Bounds in Convulsive Random Channels. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2007 , 1, 418-430	7.5	18
38	Introduction to the Issue on Performance Limits of Ultra-Wideband Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2007 , 1, 337-339	7.5	1
37	A Simple Closed-Form Linear Source Localization Algorithm 2007 ,		4
36	Approximate Performance Analysis of Wireless Ultraviolet Links 2007 ,		14
35	Ziv-Zakai Time Delay Estimation Bound for Ultra-Wideband Signals 2007 ,		16
34	Performance analysis of b-bit digital receivers for TR-UWB systems with inter-pulse interference. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 494-505	9.6	24
33	WLCp1-09: Transmitted Reference Schemes for Wireless Optical Communications. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		1
32	Blind channel estimation in aperiodic time-hopping ultra-wideband communications. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 2333-2346	4.8	1
31	Performance Study of A Near-Optimum Modulation Diversity Assisted Ultra-Wideband Receiver 2006 ,		1
30	Multiuser transmitted reference ultra-wideband communication systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2006 , 24, 766-772	14.2	22
29	Trends in Ultra-wideband Transceiver Design 2006 , 127-153		1
28	POR-based channel estimation for UWB communications. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 2968-2982	9.6	8
27	Effects of imperfect blind channel estimation on performance of linear CDMA receivers. <i>IEEE Transactions on Signal Processing</i> , 2004 , 52, 2873-2884	4.8	6
26	Large-sample performance of blind and Group-blind multiuser detectors: a perturbation perspective. <i>IEEE Transactions on Information Theory</i> , 2004 , 50, 2389-2401	2.8	8
25	Statistical performance of a data-based covariance estimator. <i>IEEE Transactions on Vehicular Technology</i> , 2004 , 53, 939-943	6.8	3
24	Blind multiuser detection by kurtosis maximization/minimization. <i>IEEE Signal Processing Letters</i> , 2004 , 11, 1-4	3.2	8
23	Diversity-assisted channel estimation and multiuser detection for downlink CDMA with long spreading codes. <i>IEEE Transactions on Signal Processing</i> , 2004 , 52, 190-201	4.8	6

22	Blind multiuser detection: from MOE to subspace methods. <i>IEEE Transactions on Signal Processing</i> , 2004 , 52, 510-524	4.8	53
21	On the second-order statistics of the weighted sample covariance matrix. <i>IEEE Transactions on Signal Processing</i> , 2003 , 51, 527-534	4.8	29
20	Asymptotic performance of subspace methods for synchronous multirate CDMA systems. <i>IEEE Transactions on Signal Processing</i> , 2002 , 50, 2015-2026	4.8	15
19	Perturbation analysis for subspace decomposition with applications in subspace-based algorithms. <i>IEEE Transactions on Signal Processing</i> , 2002 , 50, 2820-2830	4.8	75
18	Code-constrained blind detection of CDMA signals in multipath channels. <i>IEEE Signal Processing Letters</i> , 2002 , 9, 389-392	3.2	26
17	Performance analysis of blind channel estimation for precoded multiuser systems. <i>Journal of Communications and Networks</i> , 2002 , 4, 189-198	4.1	1
16	Blind adaptive algorithms for minimum variance CDMA receivers. <i>IEEE Transactions on Communications</i> , 2001 , 49, 180-194	6.9	83
15	Subspace-based channel estimation for CDMA downlink with aperiodic spreading codes and multiple subchannels 2001 ,		1
14	Asymptotically near-optimal blind estimation of multipath CDMA channels. <i>IEEE Transactions on Signal Processing</i> , 2001 , 49, 2003-2017	4.8	11
13	Blind identification of co-existing synchronous and asynchronous users for CDMA systems. <i>IEEE Signal Processing Letters</i> , 2001 , 8, 212-214	3.2	10
12	Improved constraint for multipath mitigation in constrained MOE multiuser detection. <i>Journal of Communications and Networks</i> , 2001 , 3, 249-256	4.1	6
11	Blind channel estimation for long code multiuser CDMA systems. <i>IEEE Transactions on Signal Processing</i> , 2000 , 48, 988-1001	4.8	36
10	Pilot symbol assisted modulation in frequency selective fading wireless channels. <i>IEEE Transactions on Signal Processing</i> , 2000 , 48, 2353-2365	4.8	35
9	A novel modulation diversity assisted ultra wideband communication system		2
8	Data Detection Performance of an MTR-UWB Receiver in the Presence of Timing Errors		1
7	Subspace multiuser receivers for UWB communication systems		4
6	Frequency-domain estimation of multiple access ultra-wideband signals		2
5	Minimum variance multiuser detection for impulse radio UWB systems		3

4	Mean and covariance based estimation of multiple access UWB channels	3
3	Joint Packet Scheduling and Channel Allocation for Wireless Communications	1
2	Demodulation of amplitude modulated signals in the presence of multipath	1
1	New cost function for blind estimation of M-PSK signals	1