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Jianzhong Zhang | ?

Also published under: Jianzhong Charlie Zhang, J. Zhang

Publications 116	Citations ? 9,238
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Jianzhong Zhang

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Affiliation

Standard and Mobility Innovation Lab
Samsung Research America, Plano, TX, USA

Publication Topics

Antenna Array, User Equipment, Base Station, Resource Block, Analog-to-digital Converter, Long Short-term Memory, Antenna Ports, Carrier Frequency, Channel Estimation, Channel Model, Convolutional Neural Network, Multiple-input Multiple-output, Narrow Beam, Orthogonal Frequency Division

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Biography

Jianzhong (Charlie) Zhang (Fellow, IEEE) received the Ph.D. degree from the University of Wisconsin, Madison, USA. He is currently a SVP and the Head of the Standards and Mobility Innovation Laboratory, Samsung Research America,

Publications

116

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2007

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Co-Authors:

Naveed A. Abbasi
Shadi Abu-Surra
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Mohanad Al-Ibadi
Ahmad AlAmmouri

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where he leads research, prototyping, and standards for 5G and future multimedia networks. From 2009 to 2013, he has worked as the Vice Chairperson of 3GPP RAN1 and led development of LTE and LTE-advanced technologies, such as 3D channel modeling, UL-MIMO, CoMP, and carrier aggregation for TD-LTE. *(Based on document published on 31 August 2022).*

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2007 2023

☐ **MIMO precoding in 802.16e WiMAX** 

Qinghua Li; Xintian Eddie Lin; Jianzhong Zhang

Journal of Communications and Networks

Year: 2007 | Volume: 9, Issue: 2 | Journal Article | Publisher: KICS

Cited by: Papers (11)

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☐ **MIMO precoding in 802.16e WiMAX** 

Qinghua Li; Xintian Eddie Lin; Jianzhong Zhang

Journal of Communications and Networks

Year: 2007 | Volume: 9, Issue: 2 | Journal Article | Publisher: KICS

☐ **Advancement of MIMO technology in WiMAX: from IEEE 802.16d/e/j to 802.16m** 

Qinghua Li; Xintian Eddie Lin; Jianzhong Zhang; Wonil Roh

Clear

IEEE Communications Magazine

Year: 2009 | Volume: 47, Issue: 6 | Magazine Article | Publisher: IEEE

Cited by: Papers (52) | Patents (4)

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Advancement of MIMO technology in WiMAX: from IEEE 802.16d/e/j to 802.16m

Affiliation



Qinghua Li; Xintian Eddie Lin; Jianzhong Zhang; Wonil Roh

Publication Title



IEEE Communications Magazine

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Publisher



☐ Proportional fair scheduling for multi-cell multi-user MIMO systems



Lingjia Liu; Young-Han Nam; Jianzhong Zhang

2010 44th Annual Conference on Information Sciences and Systems (CISS)

Year: 2010 | Conference Paper | Publisher: IEEE

Cited by: Papers (31) | Patents (4)

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Publication Topics



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Proportional fair scheduling for multi-cell multi-user MIMO systems

Lingjia Liu; Young-Han Nam; Jianzhong Zhang

2010 44th Annual Conference on Information Sciences and Systems (CISS)

Year: 2010 | Conference Paper | Publisher: IEEE

☐ Timing detection and seismocardiography waveform extraction



Hoang Nguyen; Jianzhong Zhang; Young-Han Nam

2012 Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Year: 2012 | Conference Paper | Publisher: IEEE

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Timing detection and seismocardiography waveform extraction

Hoang Nguyen; Jianzhong Zhang; Young-Han Nam

2012 Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Year: 2012 | Conference Paper | Publisher: IEEE



☐ **New leakage-based iterative coordinated beam-forming for multi-user MIMO in LTE-Advanced**

Lingjia Liu; Jianzhong Zhang

2012 IEEE International Conference on Communications (ICC)

Year: 2012 | Conference Paper | Publisher: IEEE

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New leakage-based iterative coordinated beam-forming for multi-user MIMO in LTE-Advanced

Lingjia Liu; Jianzhong Zhang

2012 IEEE International Conference on Communications (ICC)

Year: 2012 | Conference Paper | Publisher: IEEE



☐ **Energy-efficient scheduling for downlink multi-user MIMO**

Lingjia Liu; Guowang Miao; Jianzhong Zhang

2012 IEEE International Conference on Communications (ICC)

Year: 2012 | Conference Paper | Publisher: IEEE

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Energy-efficient scheduling for downlink multi-user MIMO

Lingjia Liu; Guowang Miao; Jianzhong Zhang

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- ☐
- Fulfilling the promise of massive MIMO with 2D active antenna array**
Boon Loong Ng; Younsun Kim; Juho Lee; Yang Li; Young-Han Nam; Jianzhong Zhang;
Krishna Sayana
2012 IEEE Globecom Workshops
Year: 2012 | Conference Paper | Publisher: IEEE
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Fulfilling the promise of massive MIMO with 2D active antenna array

Boon Loong Ng; Younsun Kim; Juho Lee; Yang Li; Young-Han Nam; Jianzhong Zhang;
Krishna Sayana
2012 IEEE Globecom Workshops
Year: 2012 | Conference Paper | Publisher: IEEE



- ☐
- Low complexity direction of arrival (DoA) estimation for 2D massive MIMO systems**
Anding Wang; Lingjia Liu; Jianzhong Zhang
2012 IEEE Globecom Workshops
Year: 2012 | Conference Paper | Publisher: IEEE
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Low complexity direction of arrival (DoA) estimation for 2D massive MIMO systems

Anding Wang; Lingjia Liu; Jianzhong Zhang
2012 IEEE Globecom Workshops
Year: 2012 | Conference Paper | Publisher: IEEE



- ☐
- Full-dimension MIMO (FD-MIMO) for next generation cellular technology**
Young-Han Nam; Boon Loong Ng; Krishna Sayana; Yang Li; Jianzhong Zhang; Younsun Kim;
Juho Lee
IEEE Communications Magazine
Year: 2013 | Volume: 51, Issue: 6 | Magazine Article | Publisher: IEEE
Cited by: Papers (294) | Patents (6)
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Full-dimension MIMO (FD-MIMO) for next generation cellular technology

Young-Han Nam; Boon Loong Ng; Krishna Sayana; Yang Li; Jianzhong Zhang;
Younsun Kim; Juho Lee

IEEE Communications Magazine

Year: 2013 | Volume: 51, Issue: 6 | Magazine Article | Publisher: IEEE

☐ DoA estimation and capacity analysis for 2D active massive MIMO systems



Yi Zhu; Lingjia Liu; Anding Wang; Krishna Sayana; Jianzhong Charlie Zhang

2013 IEEE International Conference on Communications (ICC)

Year: 2013 | Conference Paper | Publisher: IEEE

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DoA estimation and capacity analysis for 2D active massive MIMO systems

Yi Zhu; Lingjia Liu; Anding Wang; Krishna Sayana; Jianzhong Charlie Zhang

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